

**Final Cleanup Action Report
Port of Everett
North Marina Ameron/Hulbert Site
Everett, Washington**

September 27, 2022

Prepared for

Port of Everett



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**Agency Review Draft
Cleanup Action Report
Port of Everett
North Marina Ameron/Hulbert Site
Everett, Washington**

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LIST OF ABBREVIATIONS AND ACRONYMS

BMP.....	best management practice
CAP.....	cleanup action plan
CDF.....	controlled density fill
CESCL.....	construction erosion and sediment control lead
CMP.....	compliance monitoring plan
cPAH.....	carcinogenic polycyclic aromatic hydrocarbon
Consent Decree	Consent Decree No. 15 2 01720 7
CUL.....	cleanup level
DAHP	Washington State Department of Archaeology and Historic Preservation
Ecology.....	Washington State Department of Ecology
EDR.....	engineering design report
ft	feet, foot
HASP.....	health and safety plan
IA.....	interim action
IDP.....	inadvertent discovery plan
Landau.....	Landau Associates, Inc.
mg/kg.....	milligrams per kilogram
MTCA	Model Toxics Control Act
NHPA.....	National Historic Preservation Act
PLP	potentially liable party
Port	Port of Everett
Site.....	North Marina Ameron/Hulbert site
SWPPP.....	stormwater pollution prevention plan
TEQ.....	toxicity equivalency quotient
TESC	temporary erosion and sediment control
TPH-D	diesel-rand total petroleum hydrocarbons
TPH-G	gasoline-range total petroleum hydrocarbons
TPH-O.....	oil-range total petroleum hydrocarbons
UCL.....	upper confidence limit
WAC	Washington Administrative Code
WSDOT.....	Washington State Department of Transportation

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1.0 INTRODUCTION

On behalf of the Port of Everett (Port), this report from Landau Associates, Inc. (Landau) documents excavation completed as an aspect of the final cleanup action at the North Marina Ameron/Hulbert Model Toxics Control Act (MTCA) site (Site; Figure 1). The Port is the Site owner and is the implementing potentially liable party (PLP) for the Site final cleanup action. The cleanup is being conducted under the MTCA Cleanup Regulation, Chapter 173-340 of the Washington Administrative Code (WAC), and pursuant to Consent Decree No. 15 2 01720 7 (Consent Decree) between the Port and other Site PLPs, and the Washington State Department of Ecology (Ecology). This portion of the final cleanup action was designed to meet the requirements of the Cleanup Action Plan (CAP; Ecology 2014). Implementation of the final cleanup action was completed in accordance with the Engineering Design Report (EDR; LAI 2021b) and the Compliance Monitoring Plan (CMP; Landau 2021a).

The final cleanup action activities documented in this report includes excavation and offsite disposal of contaminated soil from two areas: Cleanup Area G-2 and Cleanup Area G-4. Additional contamination at the Site is being managed using institutional controls, which will be documented separately.

2.0 IMPLEMENTATION OF THE CLEANUP ACTION

In accordance with the CAP, the selected cleanup action consisted of excavation of the contaminated soil in areas that are subject to future redevelopment and that pose a potential threat of discharge to marine surface water and sediment. Cleanup Areas G-2 and G-4 were the only two areas excavated as part of this final cleanup action (Figure 2). The remaining cleanup areas will be addressed with institutional controls and capping to ensure that any contaminated soil or groundwater disturbed during future Site redevelopment or other intrusive activities is properly managed and subject to appropriate worker health and safety protection. The Port will operate and maintain the Site cleanup action during and following remedial construction activities, as agreed in the Consent Decree. Excavation in Cleanup Areas G-2 and G-4 was conducted consistent with the Final Engineering Design Report (EDR; Landau 2021b) and the subsequent construction drawings and specifications. Aspects of the cleanup included project preparation, excavation, and site restoration. Compliance monitoring was conducted during implementation of the cleanup action and is detailed in Section 3.0.

2.1 Preparation

Prior to excavation of Cleanup Areas G-2 and G-4, the following Site preparatory activities were completed:

- Project permitting, including an 05-05 consultation through the Washington State Department of Archaeology and Historic Preservation (DAHP)
- Waste characterization for soil disposal profiling
- Import fill evaluation
- Review and approval of contractor submittals and work plans
- On-site construction preparation.

These preparatory activities are detailed in the following sections.

2.1.1 Project Permitting

Because this is a cleanup action under a consent decree in accordance with MTCA, completion of excavation activities, as an aspect of the cleanup action, do not require state and local permits outside of the Ecology review process. However, the excavation was conducted in substantive compliance with all local and state requirements and in accordance with applicable federal regulations as presented in the EDR (Landau 2021b); a letter from the City of Everett confirming that the project was exempt from these procedural requirements is provided in Appendix A.

Prior to construction, the Port's construction contractor obtained a sanitary sewer discharge authorization from the City of Everett for management of excavation dewatering water and collected stormwater during the excavation work. A copy of this discharge authorization is included in Appendix A.

A consultation with DAHP (Executive Order 05-05, Section 106 of the National Historic Preservation Act [NHPA]) was conducted and completed without receiving any comments on May 1, 2020. A plan for inadvertent discovery (IDP) of historical artifacts was included in the EDR and contains information on what historic/archeological artifacts look like and what to do if encountered during cleanup excavation. All individuals working on the project reviewed the IDP prior to commencing intrusive activities.

2.1.2 Waste Profiling

Waste profiles were prepared in advance of implementation of the excavation in coordination with the facility selected to receive excavated soil (Republic Services). Separate waste profiles were developed for Cleanup Area G-2 and Cleanup Area G-4. The Cleanup Area G-2 profile was based on waste characterization data collected in November 2020, which is documented in the EDR. The Cleanup Area G-4 profile was based on data collected during the Site's remedial investigation. Copies of the approved waste profiles are included in Appendix B.

2.1.3 Import Fill Evaluation

Fill imported to the Site for use as backfill was analyzed prior to use. Per the EDR, samples representative of each import fill material were tested at a rate of rate of five samples for the first 1,000 cubic yards and one additional sample for each additional 1,000 cubic yards. Three total import fill materials were reviewed and approved—two structural fills (Mandan Pit Gravel Borrow and A&B/Mission Gravel Borrow) and one crushed surface top course material (Mandan Pit CSTC). Import fill samples were analyzed for gasoline-, diesel-, and oil-range total petroleum hydrocarbons (TPH-G, TPH-D, and TPH-O, respectively), and arsenic, antimony, and lead. Analytical data were also submitted for additional metals in the Resource Conservation and Recovery Act (RCRA)-8 list. Analytical data indicated concentrations of TPH and metals were below Site cleanup levels (CULs); additionally, TPH-D and TPH-O concentrations were confirmed to be below 200 milligrams per kilogram (mg/kg), and TPH-G concentrations were below the laboratory reporting limit. Certified test results of chemical constituents for the imported fill materials were provided to the Port and Ecology and are included as Appendix C.

2.1.4 Submittal Reviews

Contractor submittals, as required by the project specifications, were reviewed and approved by the Port's engineer. Reviewed submittals included, but were not limited to, a Temporary Erosion and Sediment Control (TESC) Plan; a Stormwater Pollution Prevention Plan (SWPPP); import material gradations and chemical testing; and a dewatering, water treatment, and disposal plan.

2.1.5 On-Site Preparation

Prior to excavation, the Port's contractor prepared the Site by conducting the following activities:

- Posting signage with information on the cleanup along the property fence line

- Preparing a laydown/staging area as well as areas to stockpile soil
- Coordinating with property tenants to restrict any commercial vehicle traffic through the established truck haul route
- Conducting utility locates in and immediately adjacent to all excavation areas
- Setting up TESC BMPs
- Performing asphalt saw cutting.

2.2 G-2 Excavation

Excavation in Cleanup Area G-2 began on April 8, 2021 and was completed on May 27, 2021. Prior to excavation, overlying asphalt pavement was removed and stockpiled for transport and recycling. The excavation was generally completed from east to west, and sidewalls were shored using trench boxes and steel sheets where necessary. Each excavation section was shored and left open until field observations and confirmation soil sampling results confirmed compliance with Site CULs; final excavation depths ranged between approximately 3 and 10 feet (ft) below ground surface. Select photographs of the excavation are provided in Appendix D.

Excavation extents were initially defined by limits presented in the EDR and project plans, and were extended where warranted based on field observations and analytical results of confirmation soil samples. Where field screening conducted by Port representatives indicated the presence of potential contamination (e.g., colored concrete-like material, a concrete-like odor, or a petroleum odor or sheen), excavation was extended an additional 1–2 ft. Specifically, field observations indicated the presence of additional concrete-like material beyond the planned boundaries of Cleanup Area G-2 along portions of the east, south, and west sidewalls, and confirmation soil sampling results also indicated contaminant concentrations greater than Site CULs in select sidewall and bottom samples in the western and north-central portion of the excavation; excavation limits were extended laterally or vertically in these areas until cleanup standards were met. Final excavation limits are shown on Figure 3, and additional discussion of compliance monitoring soil sampling and results are presented in Section 3.0.

Material removed from Cleanup Area G-2 included soil, concrete-like material, and wood debris and organics. Some areas of concrete-like material were relatively hard, and a hydraulic breaker was used to dismantle this material into manageable pieces. Additionally, the contractor encountered some areas of wood debris and buried wooden piles within the excavation area. Wood debris was removed from within the excavation areas, and any observed vertical piles were removed or cut at the base of the excavation area.

The Cleanup Area G-2 excavation was dewatered as necessary during excavation activities. Dewatering was completed using sump pumps placed in the excavation, and the removed water was pumped to onsite temporary storage tanks. The water was then discharged into the City of Everett sanitary sewer under permit number M-37-2021.

All excavated soils and materials for the cleanup, 4,937.60 tons, were loaded into an intermodal container onsite, transported to Republic Services rail facility in Everett, and transported for disposal at the Roosevelt Regional Landfill in Roosevelt, Washington (Subtitle D landfill). Documentation of disposal for all soil is presented in Appendix B.

2.3 G-4 Excavation

Cleanup in the G-4 Area was conducted on May 11, 2021. As presented in the EDR, sandblast grit was removed from a concrete structure located within the Ameron laboratory building. Before removal, the slab covering the vault was cut and removed. The vault area was observed to be approximately 1 ft deep, 2 ft wide, and 7 ft long, and the base of the vault was concrete. Sandblast grit was removed using hand tools. The contractor excavated the sandblast grit from the vault; the excavated quantity was less than 1 ton. The material was loaded into an intermodal container onsite with the G-2 excavation material described above, transported to Republic Services rail facility in Everett, and transported for disposal at the Roosevelt Regional Landfill in Roosevelt, Washington (Subtitle D landfill). Documentation of disposal is presented in Appendix B.

Two pipes (potentially electrical conduit) were observed within the vault. These pipes were cut and capped; the pipes were empty and no evidence of contamination was observed within the pipes. A small drain was also observed in the floor at one end of the vault. A small diameter vertical pipe extends below the concrete floor extended below the drain cover. The vertical pipe was unobstructed to approximately 16 inches below the concrete floor; no sandblast grit was observed in the pipe. A plug at 16 inches below the surface appeared to be fine red/brown sediment, and water was present above the plug to approximately 3 inches below the surface. A photograph of the vault in Cleanup Area G-4 is provided in Appendix D (Figure D-3).

Based on these observations, it appears that sandblast grit was contained within the concrete floor and walls of the vault, and collection of compliance monitoring samples was not necessary. These observations were communicated to Ecology, and Ecology concurred with the approach as documented in an email on May 11, 2021 (Meng 2021a).

2.4 Site Restoration

G-2 was backfilled generally from east to west with clean, compacted structural fill once analytical laboratory results confirmed sidewall and bottom samples were below CULs. The excavation was backfilled with imported fill material in accordance with Washington State Department of Transportation (WSDOT) Section 2-09.3(1)E, with material conforming to WSDOT Section 9-03.14(1), Gravel Borrow. The backfill was placed in horizontal layers no more than 6 inches thick with each layer compacted to 95 percent of the maximum density determined by the Compaction Control Test according to Section 2-03.3(14)D. Backfilling returned Area G-2 to the existing grade, and disturbed areas were re-paved with asphalt to match finished grades and extent shown on the construction plans. Figure 4 illustrates final conditions in Area G-2.

Area G-4 was backfilled with Quikrete, matching the existing grade and extent shown on the construction plans.

2.5 Deviations from the Planned Cleanup

The following deviations from the EDR were encountered during the cleanup process:

- Due to the encountered concrete-like debris, the depth and extent of Area G-2 was extended beyond the planned excavation limits along the eastern edge and the central portion of the southern edge to fully remove the debris. Select photographs of the debris are included in Appendix D, and the excavation limits are illustrated on Figure 3.
- An approximately 12-inch diameter stormwater pipe was encountered in the G-2 excavation, running north-south and connected to the trunkline. This pipe was temporarily removed while the supporting soil was excavated. A new stormwater pipe was installed during backfilling of this portion of the excavation. The location of this pipe is shown on Figure 3.
- G-4 was backfilled with Quikrete instead of controlled density fill (CDF).

3.0 COMPLIANCE MONITORING

This section describes monitoring activities for the protection of human health and the environment during implementation of the cleanup action for the Site.

3.1 Protection Monitoring

Monitoring for protection of human health included worker safety for activities related to construction, operation, and maintenance of the cleanup action and was addressed through a project health and safety plan (HASP). The earthwork contractor prepared a project-specific HASP addressing monitoring for, and potentially mitigating physical and chemical hazards associated with, Site activities, consistent with the requirements of WAC 173-340-810. Anticipated potential physical hazards included: working in proximity to heavy equipment and moving vehicles, heat stress and cold stress, and dust generation. Anticipated potential chemical hazards included exposure to Site soil contaminants through various exposure pathways (i.e., direct contact, dust inhalation, and ingestion).

Environmental protection monitoring was conducted during construction activities. This included dust monitoring, preparation and implementation of a SWPPP, and implementation and monitoring of best management practices (BMPs) to minimize dust generation and control stormwater runoff from contaminated soil cleanup during construction. Dewatering was conducted and water was discharged to the City of Everett's sanitary sewer.

During construction, a representative of Strider, certified in construction erosion and sediment control lead (CESCL), monitored performance of the BMPs. Environmental protection monitoring included visual monitoring to verify that excessive dust was not generated and that stormwater runoff was not being impacted.

Heavy equipment (e.g., excavators conducting the excavation) was cleaned by a hot water, high-pressure wash before mobilization to the Site and at completion of the project. Potable tap water was used as the cleansing agent.

3.2 Performance Monitoring

Performance monitoring included verifying that the physical limits of planned excavations were attained and confirming that concentrations in soil remaining in place at the bottom of the excavation met the Site CULs. Survey control points, provided in the project plans and specification, were used by the contractor to guide excavation and verify that soil was removed as planned. In Cleanup Area G-4, performance monitoring consisted of verifying that the excavation limits extended to concrete walls and the slab surrounding the excavation area. Port representatives provided construction observation and worked with the contractor to confirm adherence to the construction plans and specifications. Once the physical limits of the planned excavation were attained, soil sampling was conducted in the base and sidewalls of the excavation to determine whether soil remaining in-place met CULs provided

in the Site CAP. Performance monitoring also included collection of soil samples at the limits of the excavation area; these samples were also utilized as confirmation samples and are described in the following section.

3.3 Confirmation Monitoring

Confirmation monitoring was conducted following implementation of the cleanup action. This monitoring included soil quality monitoring during excavation activities, which was also utilized as an aspect of performance monitoring for the cleanup action. Groundwater compliance monitoring will be conducted beginning in 2022 in accordance with the CMP and will be documented separately.

3.3.1 Soil Quality Monitoring

During excavation and prior to backfilling, soil samples were collected from the base and sidewalls of the excavation to confirm that Site soil CULs were achieved and to document concentrations of contaminants remaining onsite. Confirmation samples were not collected along the northern sidewall of Cleanup Area G-2, which is the southern edge of the 2019 Trunkline interim action (Trunkline IA; Landau 2019) excavation area. The Trunkline IA area was backfilled with CDF following excavation; the CDF marked the southern boundary of the Trunkline IA and provided a stable northern sidewall during excavation. Samples were also not collected at Cleanup Area G-4 because the bottom and sidewalls of the excavation were concrete foundations/walls below the building slab.

As described in the EDR, Cleanup Area G-2 was subdivided into subsections and excavated to different grades. Confirmation sample locations were collected from the base of the excavation to provide approximately equal coverage throughout each individual subsection. Confirmation soil samples were also collected from the excavation sidewalls to evaluate whether the lateral limits of contamination were removed. Sidewall samples were collected from all excavation boundaries, except to the north where the Trunkline IA was completed and between excavation subareas with excavation grade differences greater than 2 ft in height. Excavation bottom and sidewall samples were collected at the locations shown on Figure 3.

Confirmation soil samples were analyzed for metals, TPH-D, TPH-G, and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) in accordance with the CMP. Samples collected from soil with significant amounts of organic material, as determined by field observations, were also analyzed for TPH-D using the silica-gel cleanup preparation procedure.

3.3.2 Soil Quality Monitoring Results

Soil quality monitoring analytical results are presented in Table 1, and laboratory analytical reports are included in Appendix E. As shown in the table, analytical results indicated compliance with CULs in all but six initial samples. In areas where sample results indicated concentration greater than CULs, additional excavation was completed to the limits as shown on Figure 3, and follow-up compliance monitoring samples were collected (denoted by an “a” at the end of the sample name).

As presented in Table 1, concentrations in initial and follow-up soil samples indicate compliance with CULs using a direct comparison, except for the benzo(a)pyrene and cPAH toxicity equivalency quotient (TEQ) results for follow-up sample BS-13a. As the depth of excavation (approximately 10 ft below ground surface) and groundwater conditions at this location made additional excavation potentially cost-prohibitive, a statistical evaluation approach was used to demonstrate compliance with the cleanup level in accordance with Ecology guidance documents (Ecology 1992, 1993) and MTCA (WAC 173-340-740[7][d]). A summary of this evaluation is as follows:

- None of the results are greater than two times the CUL. Concentrations at BS-13a for benzo(a)pyrene and the cPAH TEQ are 0.18 mg/kg and 0.238 mg/kg, respectively, as compared to a CUL of 0.14 mg/kg for both (double this CUL would be 0.28 mg/kg).
- Less than 10 percent of samples exceed the CULs. Concentrations in only one sample representing unexcavated soil (BS-13a) exceed CULs; a total of 44 compliance monitoring samples in Cleanup Area G-2 representing soil remaining were collected.
- The 95 Upper Confidence Limit (UCL) for each analyte greater than the CUL using a direct comparison is below the CUL. The UCL for benzo(a)pyrene and the cPAH TEQ was calculated for all samples representing soil remaining using ProUCL 5.1 software; the calculated UCLs are 0.0578 mg/kg and 0.0407 mg/kg, which are both below the CUL of 0.14 mg/kg. Reports generated by ProUCL with the recommended statistical method and UCL are presented in Appendix F.

The Port communicated preliminary field observations and soil quality monitoring data results to Ecology by email, and Ecology concurred with the Port's evaluation and recommendations for additional excavation, when applicable (Meng 2021a, 2021b, 2021c, 2021d, 2021e). Consistent with communication with Ecology during the project and based on field observations and a direct comparison and/or a statistical evaluation of soil quality monitoring data, soil at the limits of the excavation area meet CULs.

4.0 CONCLUSIONS AND NEXT STEPS

This report documents and presents information related to excavation of contaminated soil at the Site in accordance with the CAP and subsequent planning documents. In total, approximately 4,937 tons of soil were removed from the Site and disposed at a Subtitle D facility. Soil confirmation samples collected from the limits of Cleanup Area G-2 indicate compliance with CULs either by direct numerical comparison or using a statistical approach in accordance with Ecology guidance and MTCA (WAC 173-340-740[7][d]). Visual observation verified removal of material, as required by the CAP in Cleanup Area G-4. The Cleanup Action goals of the CAP have been satisfied and remaining cleanup areas at the Site consist of maintaining institutional controls, managing a restrictive covenant, and groundwater monitoring.

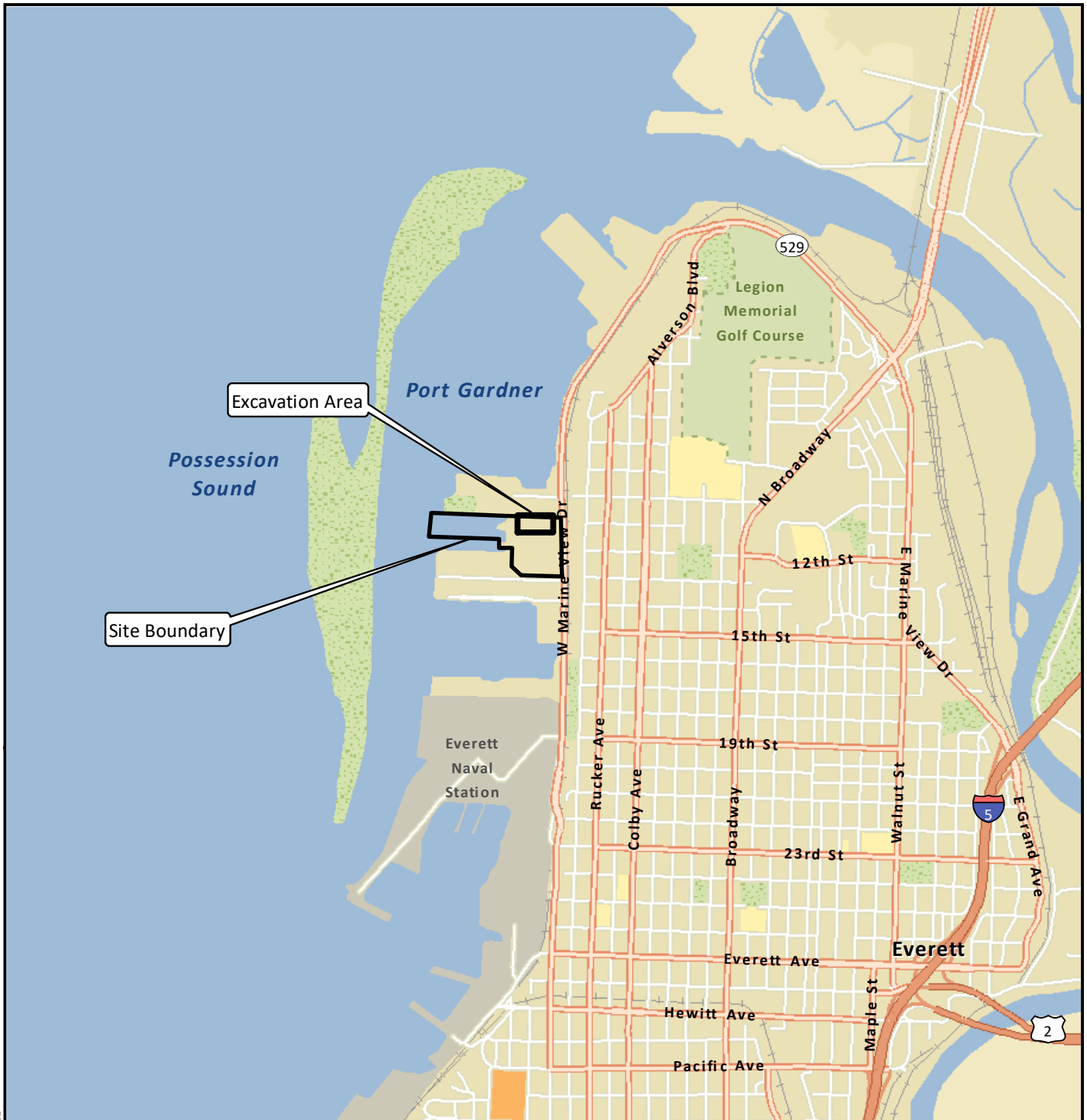
In accordance with the CAP and CMP, groundwater compliance monitoring will be conducted to verify that all CULs have been achieved and maintained at the proposed conditional point of compliance. Groundwater compliance monitoring will consist of at least four consecutive quarters of groundwater quality monitoring in accordance with the CAP and CMP. Groundwater compliance monitoring will be coordinated with Ecology in subsequent submittals.

5.0 USE OF THIS REPORT

This Cleanup Action Report has been prepared for the exclusive use of the Port for specific application to the planned remedial action at the North Marina Ameron/Hulbert site in Everett Washington. Any reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau, shall be at the user's sole risk. Landau warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. We make no other warranty, either express or implied.

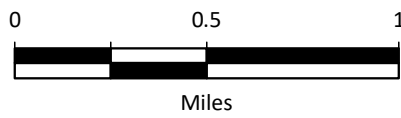
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Excavation Area

Site Boundary



Data Source: Esri 2012

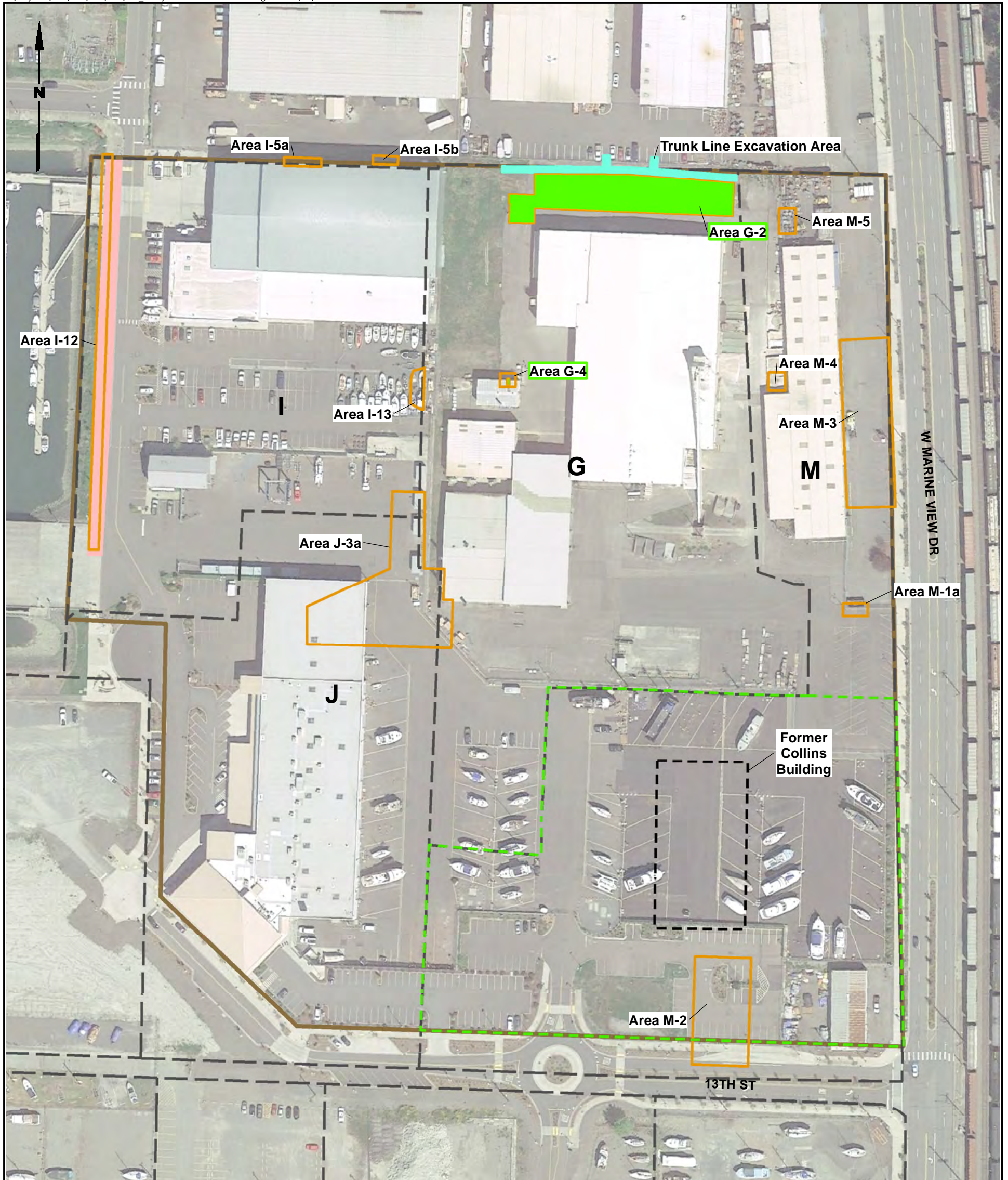
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Final Cleanup Report
North Marina Ameron/Hulbert Site
Everett, Washington

Vicinity Map

Figure
1



Legend

- North Marina Ameron/Hulbert Site Boundary (Determined in the RI/FS)
- G - Area Designation
- Statistical Compliance Area for Arsenic and Lead in Soil (Excluding Samples Containing Sandblast Grit within Area M-2)
- Area of Arsenic-Affected Crushed Rock (No Analytical Data Available for Crushed Rock Remaining in this Area)
- Cleanup Area to be Addressed by Containment and Institutional Controls
- Cleanup Area Addressed by Excavation
- Trunk Line Excavation

Notes

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Source: Google Earth Pro (2013 Image)

North Marina Ameron/Hulbert Site
Engineering Design Report
Everett, Washington

Site Plan

Figure
2

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Legend

- Bottom Confirmation Sampling Location
- Bottom Confirmation Sampling Location (Removed)
- Sidewall Confirmation Sampling Location
- Sidewall Confirmation Sampling Location (Removed)
- Trunk Line Interim Action Confirmation Sample
- Stormwater Line Removed During Excavation
- Trunk Line Excavation
- Stormwater Line (dashed-historic alignment)
- Excavation Subsection
- Contours (1 ft) After Excavation
- Catch Basin

Notes

1. Sample collected at BS-13a met confirmation sampling cleanup levels using a statistical evaluation.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

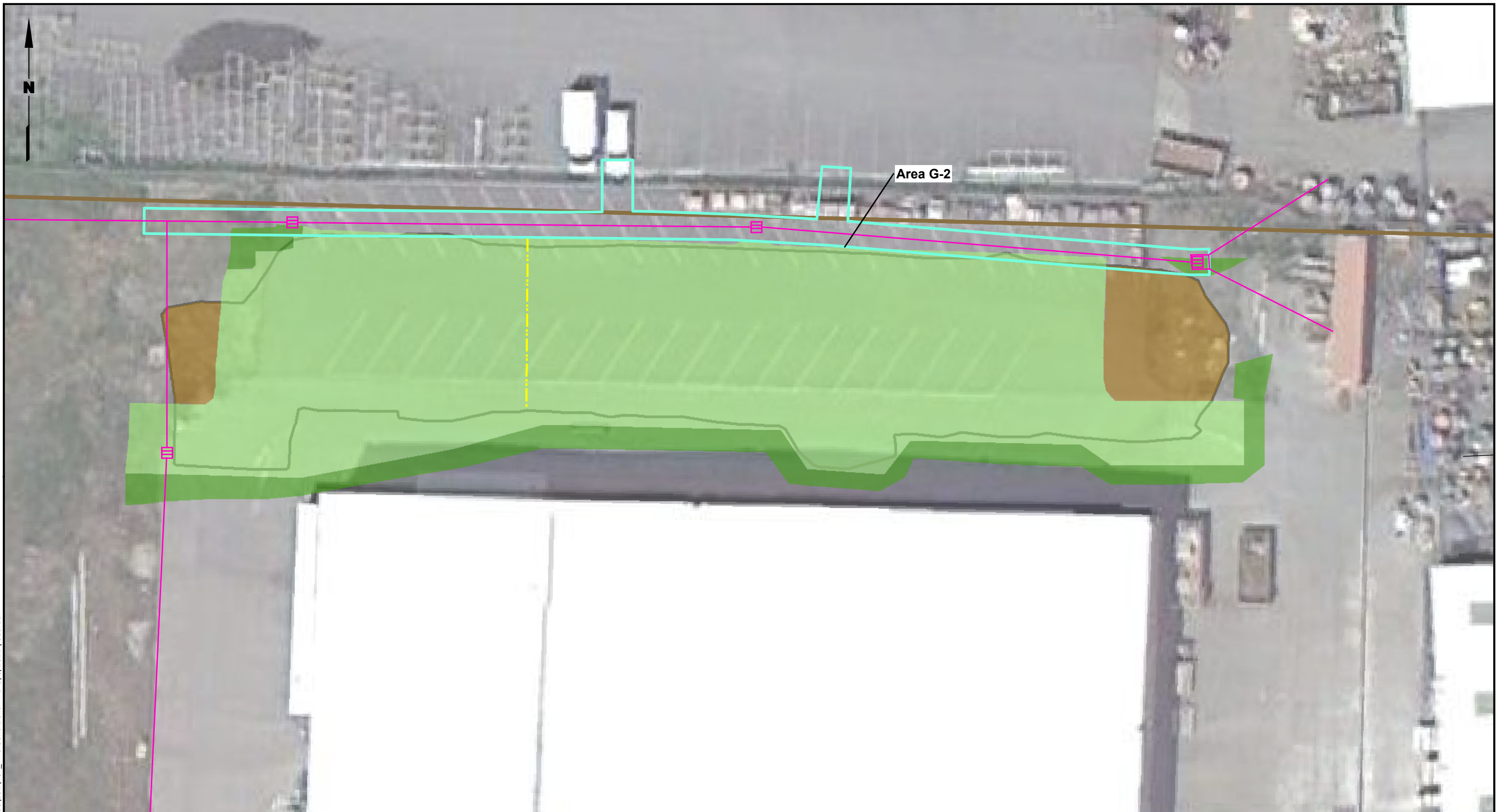
Data Source: ©Google Earth Pro, 2011

North Marina Ameron/Hulbert Site
Final Cleanup Report
Everett, Washington

**Final Excavation and
Confirmation Sampling Locations**

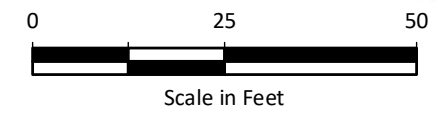
Figure
3

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Legend

- New Asphalt
- Old Asphalt
- Backfilled with Imported Fill
- Trunk Line Excavation
- Stormwater Line (dashed-historic alignment)
- Final Extent of Excavation
- Replacement Stormwater Line
- Catch Basin



Data Source: ©Google Earth Pro, 2011

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Table 1
Soil Compliance Monitoring Analytical Results
North Marina/Ameron Hulbert
Final Cleanup Action
Everett, Washington

Location	Sample Date	SW-846 6020 (mg/kg)			SW-846 8270E SIM (mg/kg)								NWTPH-Dx (mg/kg)		NWTPH-DX Silica Gel (mg/kg)		NWTPH-Gx (mg/kg)
		Antimony	Arsenic	Lead	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno (1,2,3-cd) pyrene	cPAH TEQ	DRO	ORO	DRO	ORO	GRO
	CUL	32	20	250	N/A	0.14	N/A	N/A	N/A	N/A	0.14	2,000	N/A	2,000	N/A	100	
SW-1	4/14/2021	2.7	18	22	0.02 U	0.023	0.03	0.02 U	0.022	0.02 U	0.02 U	0.030	25 U	50 U	25 U	50 U	3 U
SW-2	4/14/2021	0.31	5.2	6.8	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-1	4/14/2021	0.12	5.3	6.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-3	4/19/2021	0.57	4.7	4.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-2	4/19/2021	0.14	4.8	7.1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-3	4/21/2021	0.50 U	4.1	4.6	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-4	4/21/2021	0.50 U	2.8	4.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-5	4/21/2021	0.50 U	2.7	5.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-6	4/21/2021	0.50 U	4.3	6.1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-7	4/21/2021	0.50 U	5.3	6.0	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-8	4/21/2021	0.50 U	4.3	5.0	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-4	4/21/2021	0.50 U	5.5	4.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-5	4/21/2021	0.50 U	4.8	6.2	0.27	0.31	0.58	0.18	0.48	0.077	0.31	0.457	25 U	50 U	--	--	3 U
SW-6	4/21/2021	0.50 U	4.4	5.0	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-7	4/21/2021	0.50 U	4.6	5.4	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-8	4/21/2021	0.50 U	3.9	4.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	25 U	50 U	3 U
SW-5a	4/26/2021	0.20 U	3.8	4.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-9	4/27/2021	0.20 U	5.1	7.0	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-9	4/27/2021	0.20 U	6.1	6.5	0.023	0.021	0.026	0.02 U	0.025	0.02 U	0.02 U	0.029	25 U	50 U	25 U	50 U	3 U
SW-10	4/27/2021	0.20 U	4.7	5.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-11	4/27/2021	0.20 U	5.3	6.0	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-10	4/27/2021	0.20 U	4.8	5.4	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-11	5/4/2021	1.4	17	21	0.12	0.14	0.13	0.045	0.13	0.022	0.086	0.182	140	370	120	320	3.5 U
SW-12	5/4/2021	4.0	10	12	0.054	0.071	0.073	0.028	0.063	0.02 U	0.055	0.095	36	94	32	74	3 U
SW-13	5/4/2021	2.0	8.7	9.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	25 U	50 U	3 U
SW-14	5/4/2021	0.50 U	5.1	6.1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-15	5/4/2021	4.0	6.6	9.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-16	5/4/2021	2.6	6.9	7.4	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-12	5/5/2021	1.5	15	17	0.36	0.37	0.3	0.11	0.37	0.058	0.17	0.474	120 J	270 J	110 J	220	3 U
BS-13	5/5/2021	0.5 U	7.7	8.8	0.19	0.25	0.22	0.088	0.22	0.032	0.18	0.323	26 U	51 U	--	--	3 UJ
BS-14	5/5/2021	0.5 U	15	18	0.076	0.085	0.078	0.025	0.079	0.02 U	0.043	0.110	440 J	390	420 J	260	4 U
SW-17	5/5/2021	0.5 U	9.3	12	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	30 U	59 U	--	--	3 U
SW-18	5/5/2021	0.5 U	5.3	6.0	0.025	0.032	0.03	0.02 U	0.031	0.02 U	0.02	0.044	25 U	50 U	--	--	3 U
SW-19	5/5/2021	0.79	13	8.2	0.025	0.025	0.025	0.02 U	0.027	0.02 U	0.02 U	0.036	25 U	50 U	--	--	3 U
SW-20	5/5/2021	0.5 U	11	8.9	0.026	0.038	0.04	0.02 U	0.037	0.02 U	0.028	0.052	25 U	50 U	--	--	3 U
SW-21	5/5/2021	0.94	7.0	8.6	0.13	0.13	0.13	0.048	0.13	0.02 U	0.071	0.171	25 U	50 U	--	--	3 U
BS-11A	5/11/2021	0.10 U	6.3	7.7	0.027	0.031	0.025	0.02 U	0.033	0.02 U	0.02 U	0.043	25 U	50 U	25 U	50 U	3 U
BS-12A	5/11/2021	0.15	5.8	7.6	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	25 U	50 U	3 U
BS-13A	5/11/2021	0.35	12	33	0.11	0.18	0.2	0.071	0.19	0.035	0.14	0.238	710	1600	770	1700	3.5 U
SW-21A	5/11/2021	0.10 U	5.3	7.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	40	54	25 U	50 U	3 U
BS-15	5/18/2021	0.16	4.8	5.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
BS-16	5/18/2021	0.31	7.0	6.2	0.02 U	0.02 U	0.02 U	0.02 U	0.021	0.02 U	0.02 U	0.030	25 U	50 U	25 U	50 U	3 U
SW-22	5/18/2021	0.10 U	4.2	5.7	0.21	0.16	0.14	0.047	0.22	0.023	0.08	0.212	25 U	50 U	--	--	3 U
SW-23	5/18/2021	0.10 U	5.0	5.4	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	25 U	50 U	3 U
SW-24	5/18/2021	0.10 U	6.2	7.3	0.062	0.056	0.055	0.02 U	0.066	0.02 U	0.03	0.075	25 U	50 U	--	--	3 U
SW-25	5/18/2021	0.43	7.5	9.1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-26	5/19/2021	0.5 U	4.8	4.6	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-27	5/19/2021	0.5 U	5.8	5.8	0.1	0.1	0.093	0.039	0.1	0.02 U	0.06	0.132	25 U	50 U	--	--	3 U
BS-17	5/19/2021	0.5 U	4.6	4.1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U
SW-22a	5/24/2021	0.12	5.6	6.8	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	ND	25 U	50 U	--	--	3 U

Table 1
Soil Compliance Monitoring Analytical Results
North Marina/Ameron Hulbert
Final Cleanup Action
Everett, Washington

Notes:

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

Green shading indicates detected analyte exceeds applicable cleanup level.

Grayed back data represents overexcavated material; these samples were replaced by follow-up samples.

Abbreviations and Acronyms:

cPAH = carcinogenic polycyclic aromatic hydrocarbon

CUL = cleanup level

DRO = diesel-range organics

mg/kg = milligrams per kilogram

N/A = not applicable

ND = not detected

NWTPH-Dx = Northwest total petroleum hydrocarbon diesel-range extended

NWTPH-Gx = Northwest total petroleum hydrocarbon gasoline-range extended

ORO = oil-range organics

SIM = selected ion monitoring

TEQ = toxicity equivalency quotient

Project Permitting Documents



February 5, 2021

Port of Everett
Attn: Laura Gurley, Planner
1205 Craftsman Way, Suite 200
Everett, WA 98201

Subject: Cleanup Action for Ameron-Hulbert Site

Dear Laura:

Thank you for providing notice and construction plans of the Port of Everett's plans to conduct a remedial cleanup and restoration action under the Ecology Consent Decree No. 15 2 01720 7 and MTCA Agreed Order at the Ameron-Hulbert site under the regulatory oversight of the Washington State Department of Ecology. We recognize that pursuant to Agreed Order No. DE 6677 and RCW 70.105D.090 (1), this work is exempt from the procedural requirements of any laws requiring or authorizing local government permits or approvals for the remedial action.

We support the Port of Everett's efforts to remediate the site and soils in a manner consistent with current Best Management Practices and all other applicable regulations.

Please feel free to contact me at SGood@everettwa.gov with any questions you may have.

Sincerely,

A handwritten signature in blue ink that reads 'Sabrina Good'.

Sabrina Good, P.E.

Permit Services Manager | Everett Permit Services

CC: Steve Ingalsbe, Planning Land Use Manager
Tony Lee, Building Official
Ryan Sass, Public Works Director

PERMIT SERVICES

3200 Cedar Street
Everett, WA 98201

425.257.8810
425.257.8857 fax

everetteps@everettwa.gov
everettwa.gov/permits



March 31, 2021

Liisa Doty
Water Tectonics, Inc.
4721 Northwest Drive
Bellingham, WA 98226

Subject: Discharge Authorization No. M-37-2021
1130 W Marine View Drive
Expires: December 31, 2021

Dear Ms. Doty:

Strider Construction is hereby authorized to discharge site related water from site remediation. Discharge will be allowed for the permit duration. The discharge will be allowed upon the City's receipt of the signed acceptance of this letter and with the proper notification to the City that the work will proceed. No other water sources are allowed to be discharged under this authorization, other than what is listed above.

This authorization is based on the information you provided; we understand that this work is an ongoing. Discharge will be allowed based on compliance with the conditions of this authorization.

The point of discharge will be within the city's sewer collection system as directed by your City representative.

You will be billed for the amount discharged to the city sewers based on the total flow. Your sewer bill will be invoiced monthly and will be calculated on our current sewer rate (currently \$8.176 per 100 cubic feet) plus the industrial surcharge of \$0.19 per thousand gallons of flow.


You must meter and track the amount discharged to the city sewers. You must also know the approximate flow rate at all times, as we will need to know especially during wet weather

This Discharge Authorization is issued with the following conditions:

- 1) You must comply with the general use and discharge requirements of the Industrial Pretreatment Ordinance #3070-08 as amended (attached), as well as any applicable Federal and State regulations.
- 2) The City solely reserves the right to modify, suspend, or terminate this authorization at any time once issued.
- 3) Your City representative and point of contact for discharge is Brian Doolan at 425-257-8828 (cell at 425-501-5124) or bdoolan@everettwa.gov. You need to notify Brian prior to discharge and when your project is completed. You must also report monthly flows to Brian.

Public Works

 3200 Cedar Street
Everett, WA 98201

 425.257.8800
425.257.8882 fax

 everettpw@everettwa.gov
everettwa.gov/pw

- 4) Discharge can only occur during non-rain impacted flow periods. Your point of contact will receive notification to immediately stop discharging within 30 minutes.
- 5) The point of discharge shall be as directed by the City's project representative and limited to a flow of 150 gallons per minute or less. Higher rates must be first approved by Brian Doolan and be for limited durations.
- 6) Discharge will only be for water related to construction at the specific location identified in the DA application. Other sources must be pre-approved.
- 7) All flow shall be routed through a system to remove any free floatables and settleable solids or be free of floatable and settleable solids. Strider Construction will monitor and prevent that there are no floatable and settleable solids in discharge and shall use an onsite storage tank for pre-settlement needs related to high sediment or turbidity prior to discharge to the City's sewers. The City will inspect the tank and volume prior to discharge; with the ability and permission to inspect during the work as needed. Contact Brian for inspection of the tank at least a working day prior to your discharge request.
- 8) At any time, the City can direct the point of discharge to an alternative location that best suits the City.
- 9) Discharge operations shall comply with the City's Noise Ordinance.
- 10) Strider Construction is solely responsible for spills of any kind related to the discharge operations, including reporting to Department of Ecology, clean-up, and any repairs or restoration, and costs for City to oversee and respond. The City must be notified immediately of any spill.
- 11) City of Everett personnel may take samples of the effluent for analysis and may inspect your site to verify compliance at any time.
- 12) Maximum rate of flow shall not cause capacity problems in the receiving sewer or at any point downstream of the discharge; the City may modify the flow rate at any time.
- 13) The discharge is subject to these limits:

As	0.5	mg/L
Cd	0.24	mg/L
Cr	5.0	mg/L
Cu	3.0	mg/L
Pb	1.9	mg/L
Hg	0.1	mg/L
Ni	2.83	mg/L
Ag	0.49	mg/L
Zn	4.0	mg/L
CN-	0.65	mg/L
Nonpolar FOG	200	mg/L

Should lab samples indicate higher than allowed discharge limits, then a treatment plan to bring the discharge below the allowable limits will be required.

All discharge data from the site shall be reported. The total amount of flow to the sanitary sewer shall be reported at the completion of the discharge along with the data required. Please send reports to the following:



Brian Doolan
M & O Supervisor
City of Everett
3200 Cedar Street
Everett, WA 98201


- 14) The City reserves the right to bill Strider Construction fees for city work beyond our normal site monitoring for sewer related regulatory compliance or for overseeing this discharge authorization.
- 15) Strider Construction must install a meter to monitor the flow rate of discharge and report the monthly volumes to Brian Doolan. Brian must inspect and approve the meter installation prior to discharge. The meter shall not be removed or replaced without notifying the City first. Strider Construction will not exceed 150 gallons per minute and must keep a log for the discharge volumes noted. The log and amount of flow must be submitted to Brian at the end of the project.

Please contact me at 425 257-8828 (bdoolan@everettwa.gov) if you have any questions.

Sincerely,

Brian Doolan, PE
Maintenance & Operations Supervisor

Accepted By:


KYLE GRIEBHART
STRIDER CONSTRUCTION

Date: 1 APR 2021

Attachment: General Permit Provisions
 Pretreatment Ordinance

cc: Gene Bennett, City of Everett
 Jeff Marrs city of Everett
 Chron File
 IPT File



Waste Disposal Documentation

21AH
 ASPHALT

		TN	
Bid Quantity =			
Total to Date = 381.11			Daily Total
DATE	TICKET NO.	QUANTITY	
6/1/2020	2645034	15.25	
	2645023	15.25	
	2655050	15.14	
	2645068	15.33	
	2645085	15.23	
	2645124	15.44	
	2645105	15.29	
	2645145	12.01	
	2645111	13.02	
	2645090	12.93	
	2645071	12.98	
	2645052	13.08	
	2645130	15.04	
	2645110	14.98	
	2645097	15.05	
	2645016	15.31	
	2645033	15.08	
	2645045	15.2	
	2645062	15.17	
	2645081	15.04	
	2645080	14.97	
	2645031	14.96	
	2645100	14.72	
	2645043	14.94	
	2645061	14.83	
	2645117	14.87	
1/1/1900			381.11

21AH
DISPOSAL

2-7	Contaminated Soil	Count		2-7	Republic Disposal Tickets	TN		
Bid Quantity = Total to Date = 169			Daily Total	Bid Quantity = Total to Date = 4937.6			Daily Total	
DATE	TICKET NO.	QUANTITY		DATE	TICKET NO.	QUANTITY		
4/12/2021	426701	1	11	4/16/2021	431796	33.52	235.33	
	430285	1				435223		33.94
	431796	1				425315		35.85
	435223	1				468988		30.79
	435257	1				430223		31.64
	435390	1				426815		35.34
	440256	1				476783		34.25
	445109	1			4/17/2021	466714		25.64
	468988	1				456990		32.38
	466714	1				432127		27.52
	900497	1				200013		28.63
4/13/2021			12		460463	28.92	653.65	
	425116	1				457766		27.17
	425293	1				432123		34.54
	425315	1				435207		32.76
	426815	1				424168		33.65
	430223	1				476859		30.66
	432025	1				456661		33.74
	435407	1				435407		32.72
	456661	1				457783		27.92
	467189	1				432025		33.85
	476783	1				425293		34.88
	476859	1				467189		33.13
4/14/2021			12		435257	33.28	360.3	
	456990	1				435390		28.73
	200013	1				440256		33.5
	432127	1				445109		32.38
	432123	1				426701		27.65
	460463	1			4/20/2021	431745		30.11
	435549	1				430566		30.27
	475375	1				467806		30.63
	432240	1				425951		32.94
	200018	1				200018		27.59
	459391	1				432240		31.64
	435207	1				425375		26.87
4/15/2021	252450	1	12		435549	30.09	174.44	
	425951	1				459391		31.82
	426709	1				252450		29.47
	430566	1				426709		28.07
	431745	1			4/21/2021	469915		30.8
						426879		26.49
	432220	1				435506		28.59
	453397	1				459425		27.5
	457766	1				901885		33.54
	467726	1				461796		29.07
	467806	1				432143		29.25
	469915	1			4/22/2021	425935		30.56
	475035	1	12		442464	32	182.94	
4/19/2021						426683		32.06
	430532	1				420322		28.84
	426056	1				466714		28.11
	426563	1				435343		31.37
	466610	1			4/24/2021	425951		28.2
	425906	1				425375		24.34
	902854	1				432088		28.45
	435506	1				430805		32.36
	426879	1				426701		30.1
	459425	1				422718		28.33
	901885	1			4/27/2021	901215		25.28
					426879	20.58		
					435506	21.43		

21AH
DISPOSAL

2-7	Contaminated Soil	Count		2-7	Republic Disposal Tickets	TN		
Bid Quantity = Total to Date = 169			Daily Total	Bid Quantity = Total to Date = 4937.6			Daily Total	
DATE	TICKET NO.	QUANTITY		DATE	TICKET NO.	QUANTITY		
	430566	1	12		440179	28.09	142.57	
	200018	1				468988		29.96
5/4/2021	435549	1				468313		28.75
	458817	1				435072		27.79
	431554	1			5/19/2021	200238		28.8
	431526	1				901987		27.06
	426253	1				456277		28.16
	900285	1				900694		27.78
	900694	1				900285		28.63
	456277	1				900515		28.99
	901987	1			5/20/2021	425410		30.1
	200238	1				435207		28.98
	431837	1	12		901855	31.33	116.1	
	468313	1				431837		25.69
5/5/2021	459910	1			5/22/2021	425789		30.54
	425315	1				442464		29.25
	425935	1				457711		30.69
	469318	1				411583		29.93
	430223	1				466742		30.06
	440179	1				468379		28.51
	401016	1				430450		33.63
	468988	1				459498		29.42
	435072	1			5/25/2021	902854		31.13
	252450	1		12		425906		29.13
	466628	1				466610	32.13	
	960515	1				459921	31.85	
5/6/2021	200121	1				426563	33.23	
	426328	1				426056	33.23	
	457711	1				430532	31.19	
	431745	1			5/26/2021	453454	30.58	
	900867	1				435343	29.68	
	435545	1				200164	25.94	
	442464	1	7			431554	25.17	
5/11/2021	200164	1				456030	27.08	
	431554	1				467641	27.4	
	456030	1			468969	26.88		
	467641	1	5		469318	27.86		
	468969	1				425935	28.86	
5/18/2021	901855	1				425315	28.12	
	411583	1				459910	27.86	
	425410	1			6/2/2021	457207	30.54	
	425789	1			466718	32.34	305.43	
	430450	1			469235	32.4		
	435207	1			425014	28.69		
	442464	1			432127	31.14		
	457711	1			466807	30.07		
	459498	1			432123	30.17		
	466742	1		1/1/1900				
	468379	1	11					
5/24/2021	453454	1						215.35
	435343	1						
	457207	1						



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
41782122031

Expiration Date
1/22/2022

I. Decision Request:

Initial Recertification Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: Port of Everett

Generator Site Address: 1130 West Marine View Drive

City: Everett

County:

State: WA

Zip:

Name of Waste: North Marina Ameron/Hulbert Site Cleanup Soil - Area G-2

Estimated Annual Volume: 5665 Tons

II. Special Waste Department Decision:

Approved Rejected

Management Method(s): Landfill Solidification Bioremediation Deep Well Transfer Facility

Problematic Special Waste according to Republic? Yes No

If yes, which one?

Approved by Special Waste Review Committee?

Yes No Not Applicable

Precautions, Conditions or Limitations on Approval

Special Waste Analyst Signature:

Date: 1/25/2021

Name (Printed): MARK PHILLIPS

III. Facility Decision:

Approved Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 1/25/2021

Special Waste Profile



Disposal Facility: 4178 Roosevelt Regional MSW Landfill WA

Waste Profile #: 4178 21 22031

Sales Rep #: 253 - Matt Calantas

I. Generator Information

Generator Name: Port of Everett

Generator Site Address: 1130 West Marine View Drive

City: Everett County: Snohomish State: Washington Zip: 98206

State ID/Reg No: State Approval/Waste Code: NAICS #:

Generator Mailing Address (if different) PO Box 538

City: Everett County: Snohomish State: Washington Zip: 98206

Generator Contact Name: Elise Gronewald Email: eliseg@portofeverett.com

Phone Number: 425.388.0630 Ext: n/a Fax Number: n/a

II. Billing Information

Bill To: TBD Contact Name:

Billing Address: Email:

City: State: --Select State-- Zip: Phone:

III. Waste Stream Information

Name of Waste: North Marina Ameron/Hulbert Site Cleanup Soil- Area G-2

Process Generating Waste: Excavation of contaminated soil generated during MTCA Cleanup activities in Cleanup Area G-2. The source of contamination in Area G-2 is a byproduct of concrete pole manufacturing, which has been conducted at the Site since 1973. Manufacturing processes in this area produced a concrete slurry, which was used as fill in Cleanup Area G-2. After filling, cleanup area G-2 was (and remains) paved; thus the source of contamination is limited to the concrete slurry used as fill. Representative samples (described in Section 1V) were collected from soil borings evenly spaced across the cleanup area; depths of the samples extended to the anticipated excavation depth as determined by Remedial Investigation soil sampling.

Type of Waste: Industrial Process Waste Physical State: Solid Method of Shipment: Bulk

Estimated Volume: 5,665 Volume Type: Tons

Frequency: One-time Event (single project) Disposal Consideration: Landfill

IV. Representative Sample Certification

No Sample Taken

Sample Taken Type of Sample Composite Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? Yes No

Sample Date: 11/10/20 Sample ID Numbers or SDS: G-2-WC-1 (0-8.9) G-2-WC-2 (0-8.7) G-2-WC-3 (0-13) G-2-WC-4 (0-7.7)

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%):

% By Weight (out of 100% - ranges acceptable):

1. Soil	95
2. Construction Debris	5
3.	
4.	
5.	

Color: Odor (describe): Does Waste Contain Free Liquids? Yes No % Solids: pH: Flash Point: °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

- Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? Yes No
- Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]? Yes No
- Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? Yes No
- Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? Yes No
- Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register. Yes No
- Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both?
- Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? Yes No
- Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? Yes No
- Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? Yes No
- Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.

Republic Services Waste Handling Questions

- Does this waste generate heat or react when contacted with water/moisture? Yes No
- Does the waste contain sulfur or sulfur by-products? Yes No
- Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA? Yes No
- Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)? Yes No
- If yes to the above question, please provide clarification.

Sulfur concentrations range between 1,100 mg/kg and 3,600 mg/kg; see laboratory analytical report

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Dylan Frazer	Associate	Landau Associates, Inc.
Authorized Representative Name (Printed)	Title (Printed)	Company Name
	01/22/2021	
Representative Signature	Date	

Hopper, Dana

From: SignNow <noreply@signnow.com> on behalf of signNow <mail@signnow.com>
Sent: Friday, January 22, 2021 2:25 PM
To: Hopper, Dana
Subject: dfrazier@landauinc.com Has Signed Your Document

Follow Up Flag: Follow up
Flag Status: Flagged

Note that (noreply@signnow.com) is an external email. Report suspicious emails by clicking on "Report Phishing"



dfrazier@landauinc.com signed the document ["Port of Everett G-2 Profile"](#) using signNow.

Best regards, from the signNow Team



[Contact Support](#) [Terms of Service](#) [Privacy Policy](#)

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17 Station Street, 3rd Floor, Brookline, MA 02445

Third Party Signature Authorization For Special Waste Disposal



Date:

Profile Number:

This Authorization is only valid for 3 years from the above date.

For office use only.

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Waste

Name of Authorized Agent

Title

Name of Company

Telephone Number

The above broker/individual is authorized to act as our authorized agent for the following purposes:

- Complete and sign Special Waste Profile
- Complete and sign Special Waste Profile-Recertification
- Authorize amendments to Special Waste Profile
- Sign contracts to dispose and/or transport material
- Sign certifications necessary to comply with landfill requirements
- Sign manifests to initiate shipment to disposal facilities

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

Our authorized agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

Name of Company

Mailing Address

Generator Contact (Print Name)

Title

Elise Gronewald (Jan 22, 2021 09:19 PST)

Signature

Telephone Number



December 4, 2020

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On November 10th, 8 samples were received by our laboratory and assigned our laboratory project number EV20110043. The project was identified as your Ameron-Hulbert - 0147029.500.970. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	ALS SAMPLE#:	EV20110043-01
CLIENT SAMPLE ID:	G-2-WC-1 (0-8.9)	DATE RECEIVED:	11/10/2020
		COLLECTION DATE:	11/10/2020 8:35:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	
						DATE	BY
pH	EPA-9045	12.5 E	± 0.01	1	S.U.	11/11/2020	RPB
Sulfur	EPA-6010	1100	0	1	MG/KG	11/19/2020	CAS
Mercury	EPA-7471	U	0.020	1	MG/KG	11/13/2020	RAL
Arsenic	EPA-6020	19	0.20	1	MG/KG	11/13/2020	RAL
Barium	EPA-6020	63	0.10	1	MG/KG	11/13/2020	RAL
Cadmium	EPA-6020	0.10	0.10	1	MG/KG	11/13/2020	RAL
Chromium	EPA-6020	39	0.10	1	MG/KG	11/13/2020	RAL
Lead	EPA-6020	47	0.10	1	MG/KG	11/13/2020	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	11/13/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/13/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.
 E - Reported result is an estimate because it exceeds the calibration range.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	ALS SAMPLE#:	EV20110043-02
CLIENT SAMPLE ID	G-2-WC-2 (0-8.7)	DATE RECEIVED:	11/10/2020
		COLLECTION DATE:	11/10/2020 10:10:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
pH	EPA-9045	12.5 E	± 0.01	1	S.U.	11/11/2020	RPB
Sulfur	EPA-6010	3600	0	1	MG/KG	11/19/2020	CAS
Mercury	EPA-7471	U	0.020	1	MG/KG	11/13/2020	RAL
Arsenic	EPA-6020	49	0.20	1	MG/KG	11/13/2020	RAL
Barium	EPA-6020	110	0.10	1	MG/KG	11/13/2020	RAL
Cadmium	EPA-6020	U	0.10	1	MG/KG	11/13/2020	RAL
Chromium	EPA-6020	50	0.10	1	MG/KG	11/13/2020	RAL
Lead	EPA-6020	21	0.10	1	MG/KG	11/13/2020	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	11/13/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/13/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.
 E - Reported result is an estimate because it exceeds the calibration range.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	ALS SAMPLE#:	EV20110043-03
CLIENT SAMPLE ID	G-2-WC-3 (0-13)	DATE RECEIVED:	11/10/2020
		COLLECTION DATE:	11/10/2020 11:10:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
pH	EPA-9045	12.4 E	± 0.01	1	S.U.	11/11/2020	RPB
Sulfur	EPA-6010	2700	0	1	MG/KG	11/19/2020	CAS
Mercury	EPA-7471	0.032	0.020	1	MG/KG	11/13/2020	RAL
Arsenic	EPA-6020	42	0.20	1	MG/KG	11/13/2020	RAL
Barium	EPA-6020	70	0.10	1	MG/KG	11/13/2020	RAL
Cadmium	EPA-6020	0.16	0.10	1	MG/KG	11/13/2020	RAL
Chromium	EPA-6020	120	0.10	1	MG/KG	11/13/2020	RAL
Lead	EPA-6020	25	0.10	1	MG/KG	11/13/2020	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	11/13/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/13/2020	RAL
Chromium (TCLP)	EPA-6020/1311	U	0.031	6.25	MG/L	11/28/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.
 E - Reported result is an estimate because it exceeds the calibration range.

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	ALS SAMPLE#:	EV20110043-04
CLIENT SAMPLE ID	G-2-WC-4 (0-7.7)	DATE RECEIVED:	11/10/2020
		COLLECTION DATE:	11/10/2020 11:42:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
pH	EPA-9045	7.26	± 0.01	1	S.U.	11/11/2020	RPB
Sulfur	EPA-6010	2900	0	1	MG/KG	11/19/2020	CAS
Mercury	EPA-7471	0.057	0.020	1	MG/KG	11/13/2020	RAL
Arsenic	EPA-6020	14	0.20	1	MG/KG	11/13/2020	RAL
Barium	EPA-6020	33	0.10	1	MG/KG	11/13/2020	RAL
Cadmium	EPA-6020	0.15	0.10	1	MG/KG	11/13/2020	RAL
Chromium	EPA-6020	36	0.10	1	MG/KG	11/13/2020	RAL
Lead	EPA-6020	15	0.10	1	MG/KG	11/13/2020	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	11/13/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/13/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	ALS SAMPLE#:	EV20110043-05
CLIENT SAMPLE ID	G-2-SOUTH-1 (5-6)	DATE RECEIVED:	11/10/2020
		COLLECTION DATE:	11/10/2020 11:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Antimony	EPA-6020	0.12	0.10	1	MG/KG	11/13/2020	RAL
Arsenic	EPA-6020	7.8	0.20	1	MG/KG	11/13/2020	RAL
Lead	EPA-6020	9.5	0.10	1	MG/KG	11/13/2020	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	ALS SAMPLE#:	EV20110043-06
CLIENT SAMPLE ID	G-2-SOUTH-2 (5-6)	DATE RECEIVED:	11/10/2020
		COLLECTION DATE:	11/10/2020 12:05:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Antimony	EPA-6020	0.12	0.10	1	MG/KG	11/13/2020	RAL
Arsenic	EPA-6020	8.6	0.20	1	MG/KG	11/13/2020	RAL
Lead	EPA-6020	9.2	0.10	1	MG/KG	11/13/2020	RAL



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBLK-R373345 - Batch R373345 - Soil by EPA-6010

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Sulfur	EPA-6010	U	MG/KG	0.0	11/19/2020	CAS

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R372627 - Batch R372627 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/13/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB1-111220S - Batch 159586 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	11/13/2020	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	11/13/2020	RAL
Barium	EPA-6020	U	MG/KG	0.12	11/13/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/13/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.10	11/13/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/13/2020	RAL
Selenium	EPA-6020	U	MG/KG	1.0	11/13/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/13/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R373954 - Batch R373954 - TCLP Extract by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Chromium	EPA-6020	U	MG/L	0.0050	11/28/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	12/4/2020
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV20110043
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.970	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R373345 - Soil by EPA-6010

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Sulfur - BS	EPA-6010	92.4			80	120	11/19/2020	CAS

ALS Test Batch ID: R372627 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	106			81.8	117	11/13/2020	RAL
Mercury - BSD	EPA-7471	107	1		81.8	117	11/13/2020	RAL

ALS Test Batch ID: 159586 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	92.4			80	120	11/13/2020	RAL
Antimony - BSD	EPA-6020	94.5	2		80	120	11/13/2020	RAL
Arsenic - BS	EPA-6020	95.9			80	120	11/13/2020	RAL
Arsenic - BSD	EPA-6020	97.6	2		80	120	11/13/2020	RAL
Barium - BS	EPA-6020	95.8			80	120	11/13/2020	RAL
Barium - BSD	EPA-6020	97.7	2		80	120	11/13/2020	RAL
Cadmium - BS	EPA-6020	98.5			80	120	11/13/2020	RAL
Cadmium - BSD	EPA-6020	99.7	1		80	120	11/13/2020	RAL
Chromium - BS	EPA-6020	95.6			80	120	11/13/2020	RAL
Chromium - BSD	EPA-6020	96.0	0		80	120	11/13/2020	RAL
Lead - BS	EPA-6020	91.3			80	120	11/13/2020	RAL
Lead - BSD	EPA-6020	93.5	2		80	120	11/13/2020	RAL
Selenium - BS	EPA-6020	97.0			80	120	11/13/2020	RAL
Selenium - BSD	EPA-6020	99.2	2		80	120	11/13/2020	RAL
Silver - BS	EPA-6020	88.4			80	120	11/13/2020	RAL
Silver - BSD	EPA-6020	89.6	1		80	120	11/13/2020	RAL

ALS Test Batch ID: R373954 - TCLP Extract by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Chromium - BS	EPA-6020	99.0			86.2	107	11/28/2020	RAL
Chromium - BSD	EPA-6020	99.0	0		86.2	107	11/28/2020	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

EX20110043

LA LANDAU ASSOCIATES Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 926-2493

Spokane (509) 327-9737
 Portland (503) 542-1080

Date 11/10/20
 Page 1 of 1

Turnaround Time:
 Standard
 Accelerated

Project Name Amazon - Hubbert Project No. 0147024.500.970

Project Location/Event Everett, WA

Sampler's Name Brittany McManus

Project Contact Dylan Frazer

Send Results To Dr. Frazer and D. Jorgensen

Sample I.D.	Date	Time	Matrix	No. of Containers	REPA - 2 Metals	REPA - 8 TCLP *	Total Sulfur	Total Arsenic, Lead, and Cadmium	TCRP Cr	HOLO	Observations/Comments
1 Gr-2-WC-1(0-8.9)	11/10/20	835	Soil	3	X	X	X	X			
2 Gr-2-WC-2(0-8.7)	11/10/20	1010	Soil	3	X	X	X	X			
3 Gr-2-WC-3(0-13)	11/10/20	1110	Soil	3	X	X	X	X			
4 Gr-2-WC-4(0-7.7)	11/10/20	1142	Soil	3	X	X	X	X			
5 Gr-2-SOUTH-1(5-6)	11/10/20	1140	Soil	1	X	X	X	X			
6 Gr-2-SOUTH-2(5-6)	11/10/20	1205	Soil	2	X	X	X	X			
7 Gr-2-SOUTH-3(3-4)	11/10/20	1259	Soil	1	X	X	X	X			
8 Gr-2-SOUTH-3(5-6)	11/10/20	1300	Soil	1	X	X	X	X			

Special Handling Requirements: _____

Shipment Method: Drop OFF

Stored on ice: Yes / No

Other: * Hold and may run later as follow-up analysis if needed

Received by: Shannon Huffman Signature: _____ Printed Name: _____ Company: ALS Date: 11/10/2020 Time: 1429

Relinquished by: Brittany McManus Signature: _____ Printed Name: _____ Company: Landau Assoc (links), Inc. Date: 11/10/20 Time: 1425

Received by: _____ Signature: _____ Printed Name: _____ Company: _____ Date: _____ Time: _____

Relinquished by: _____ Signature: _____ Printed Name: _____ Company: _____ Date: _____ Time: _____

TCRP Cr added per Dylan. BAP 11/25/20

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: EV20110043

Project: 0147024.500.970 Ameron-Hulbert

Received Date: 11/10/2020 Received Time: 1433 By: Smit

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: _____

Temperature of cooler upon receipt: 5.0°C Cold Cool Ambient N/A
on ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

FAX

INCOMPLETE FILE TRANSMITTAL

TO: Dana Hopper	LOG NO.: 41782122031
FAX: (206) 332-7792	File Received: 1/22/2021
From: Special Waste Dept.	Response Date: 1/25/2021
Re: Port of Everett / North Marina Ameron/Hulbert Site Cleanup Soil - Area G-2	

SECTION I	SECTION II	SECTION III	SECTION IV	SECTION V	SECTION VI
<input type="checkbox"/> DisposalFacility	<input type="checkbox"/> TransporterName	<input type="checkbox"/> NameOfWaste	<input type="checkbox"/> USEPA	<input type="checkbox"/> CharacteristicComponents	<input type="checkbox"/> GenAuthSignature
<input type="checkbox"/> GeneratorName	<input type="checkbox"/> TransporterSiteAddress	<input type="checkbox"/> ProcessGeneratingWaste	<input type="checkbox"/> SampleDate	<input type="checkbox"/> FreeLiquids	<input type="checkbox"/> GenCoName
<input type="checkbox"/> GeneratorSiteAddress	<input type="checkbox"/> TransporterCityStateZip	<input type="checkbox"/> TypeOfWaste	<input type="checkbox"/> CompositeGrab	<input type="checkbox"/> YesNo	<input type="checkbox"/> NoStateLetter
<input type="checkbox"/> GeneratorCityStateZip	<input type="checkbox"/> TransporterMailingAddress	<input type="checkbox"/> PhysicalState	<input type="checkbox"/> SampleID	<input type="checkbox"/> pH_Flash	<input type="checkbox"/> Name_Title
<input type="checkbox"/> GeneratorMailingAddress	<input type="checkbox"/> TransporterContactName	<input type="checkbox"/> MethodOfShipment	<input type="checkbox"/> SignatureDate		
<input type="checkbox"/> GeneratorContactName	<input type="checkbox"/> TransporterTelFax	<input type="checkbox"/> EstimatedAnnualVolume			
<input type="checkbox"/> GeneratorTelFax	<input type="checkbox"/> Frequency				
<input type="checkbox"/> GeneratorStateID	<input type="checkbox"/> DisposalConsideration				
<input type="checkbox"/> WasteCodeTexas					

ANALYTICALS	TCLP TOTAL METALS	TCLP VOLATILES	TCLP SEMI-VOLATILES	PESTICIDES / HERBICIDE	
<input type="checkbox"/> TotalCyanide	<input type="checkbox"/> Arsenic	<input type="checkbox"/> Benzene	<input type="checkbox"/> Cresols	<input type="checkbox"/> Chlordane	<input type="checkbox"/> LabLetterhead
<input type="checkbox"/> ReactiveCyanide	<input type="checkbox"/> Barium	<input type="checkbox"/> CarbonTetrachloride	<input type="checkbox"/> DichlorobenzeneOne	<input type="checkbox"/> Endrin	<input type="checkbox"/> ChainOfCustody
<input type="checkbox"/> TotalSulfide	<input type="checkbox"/> Cadmium	<input type="checkbox"/> Chlorobenzene	<input type="checkbox"/> DinitrotolueneTwo	<input type="checkbox"/> Heptachlor	<input type="checkbox"/> NoLabSignature
<input type="checkbox"/> ReactiveSulfide	<input checked="" type="checkbox"/> Chromium	<input type="checkbox"/> Chloroform	<input type="checkbox"/> Hexachlorobenzene	<input type="checkbox"/> HeptachlorEpoxide	<input type="checkbox"/> ReportOneYearOldPlus
<input type="checkbox"/> TotalPCB	<input type="checkbox"/> Copper	<input type="checkbox"/> DichloroethaneOne	<input type="checkbox"/> Nitrobenzene	<input type="checkbox"/> Lindane	<input type="checkbox"/> NoThirdPartyLab
<input type="checkbox"/> TOX_EOX	<input type="checkbox"/> Lead	<input type="checkbox"/> DichloroethyleneTwo	<input type="checkbox"/> Pentachlorophenol	<input type="checkbox"/> Methoxychlor	<input checked="" type="checkbox"/> MissingReportPages
<input type="checkbox"/> Phenols	<input type="checkbox"/> Mercury	<input type="checkbox"/> MethylEthylKetone	<input type="checkbox"/> Pyridine	<input type="checkbox"/> Toxaphene	<input type="checkbox"/> MissingMSDSPages
<input type="checkbox"/> FlashPoint	<input type="checkbox"/> Selenium	<input type="checkbox"/> Tetrachloroethylene	<input type="checkbox"/> TrichlorophenolFive	<input type="checkbox"/> TwoFourD	<input type="checkbox"/> TotalSulfates
<input type="checkbox"/> pH	<input type="checkbox"/> Silver	<input type="checkbox"/> Trichlorethylene	<input type="checkbox"/> TrichlorphenolSix	<input type="checkbox"/> TwoFourFiveTP	<input type="checkbox"/> TotalSulfur
<input type="checkbox"/> PaintFilter	<input type="checkbox"/> Zinc	<input type="checkbox"/> VinylChloride			<input type="checkbox"/> WrongProfile
<input type="checkbox"/> TPH					
<input type="checkbox"/> BTEX					
					<input checked="" type="checkbox"/> GeneratorIncomplete

Notes:

Sample G-2 WC 3 (0-13) exceeds limits total Chromium at 120mg/kg the COC indicates TCLP Chromium was requested for this sample please have the generator provide those results.
Mark



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
41782122032

Expiration Date
1/22/2022

I. Decision Request:

Initial Recertification Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: Port of Everett

Generator Site Address: 1130 West Marine View Drive

City: Everett

County:

State: WA

Zip:

Name of Waste: North Marina Ameron / Hulbert Site Cleanup Sandblast Media - Area G-4

Estimated Annual Volume: 5 Tons

II. Special Waste Department Decision:

Approved Rejected

Management Method(s): Landfill Solidification Bioremediation Deep Well Transfer Facility

Problematic Special Waste according to Republic? Yes No

If yes, which one?

Approved by Special Waste Review Committee?

Yes No Not Applicable

Precautions, Conditions or Limitations on Approval

Special Waste Analyst Signature:

Date: 1/25/2021

Name (Printed): James Brown

III. Facility Decision:

Approved Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 1/25/2021

Special Waste Profile



Disposal Facility: 4178 Roosevelt Regional MSW Landfill WA

Waste Profile #: 4178 21 22032

Sales Rep #: 253 - Matt Calantas

I. Generator Information

Generator Name: Port of Everett

Generator Site Address: 1130 West Marine View Drive

City: Everett County: Snohomish State: Washington Zip: 98206

State ID/Reg No: State Approval/Waste Code: NAICS #:

Generator Mailing Address (if different) PO Box 538

City: Everett County: Snohomish State: Washington Zip: 98206

Generator Contact Name: Elise Gronewald Email: eliseg@portofeverett.com

Phone Number: 425.388.0630 Ext: n/a Fax Number: n/a

II. Billing Information

Bill To: TBD Contact Name:

Billing Address: Email:

City: State: --Select State-- Zip: Phone:

III. Waste Stream Information

Name of Waste: North Marina Ameron/Hulbert Site Cleanup Sandblast Media- Area G-4

Process Generating Waste: Excavation of sandblast media generated during MTCA Cleanup activities in Cleanup Area G-4. Based on visual observations and analytical results, this material is sandblast media. Material is contained in a vault beneath the concrete floor of an existing building; there are no potential impacts (changes or potential additional contamination) to the material since representative samples were collected in 2014.

Type of Waste: Industrial Process Waste Physical State: Solid Method of Shipment: Bulk

Estimated Volume: 5 Volume Type: Tons

Frequency: One-time Event (single project) Disposal Consideration: Landfill

IV. Representative Sample Certification

No Sample Taken

Sample Taken Type of Sample Composite Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? Yes No

Sample Date: 6/6/14

Sample ID Numbers or SDS: G-FA-119c (0.4-1.2)

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%):

% By Weight (out of 100% - ranges acceptable):

1.	Sandblast grit	100
2.		
3.		
4.		
5.		

Color: Odor (describe): Does Waste Contain Free Liquids? Yes No % Solids: pH: Flash Point: °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

- Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? Yes No
- Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]? Yes No
- Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? Yes No
- Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? Yes No
- Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register. Yes No
- Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both?
- Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? Yes No
- Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? Yes No
- Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? Yes No
- Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.

Republic Services Waste Handling Questions

- Does this waste generate heat or react when contacted with water/moisture? Yes No
- Does the waste contain sulfur or sulfur by-products? Yes No
- Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA? Yes No
- Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)? Yes No
- If yes to the above question, please provide clarification.

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Dylan Frazer	Associate	Landau Associates, Inc.
Authorized Representative Name (Printed)	Title (Printed)	Company Name
	01/22/2021	
Representative Signature	Date	

Hopper, Dana

From: SignNow <noreply@signnow.com> on behalf of signNow <mail@signnow.com>
Sent: Friday, January 22, 2021 2:26 PM
To: Hopper, Dana
Subject: dfrazier@landauinc.com Has Signed Your Document

Follow Up Flag: Follow up
Flag Status: Completed

Note that (noreply@signnow.com) is an external email. Report suspicious emails by clicking on "Report Phishing"



dfrazier@landauinc.com signed the document ["Port of Everett G-4 Profile"](#) using signNow.

Best regards, from the signNow Team



[Contact Support](#) [Terms of Service](#) [Privacy Policy](#)

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17 Station Street, 3rd Floor, Brookline, MA 02445

Third Party Signature Authorization For Special Waste Disposal



Date:

Profile Number:

This Authorization is only valid for 3 years from the above date.

For office use only.

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Waste

Name of Authorized Agent

Title

Name of Company

Telephone Number

The above broker/individual is authorized to act as our authorized agent for the following purposes:

- Complete and sign Special Waste Profile
- Complete and sign Special Waste Profile-Recertification
- Authorize amendments to Special Waste Profile
- Sign contracts to dispose and/or transport material
- Sign certifications necessary to comply with landfill requirements
- Sign manifests to initiate shipment to disposal facilities

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

Our authorized agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

Name of Company

Mailing Address

Generator Contact (Print Name)

Title

Elise Gronewald (Jan 22, 2021 09:19 PST)

Signature

Telephone Number



Analytical Resources, Incorporated
Analytical Chemists and Consultants

June 24, 2013

Kathryn Hartley
Landau Associates, Inc.
130 2nd Avenue S.
Edmonds, WA 98020

RE: Project No: 147029.500
Project Name: Ameron Hulbert
ARI Job No: YN10 and YN61

Dear Kathryn:

Please find enclosed the original and revised chain of custodies (COCs), and the final results from the project referenced above. Analytical Resources, Inc. accepted twenty three soil samples and one water sample in good condition on June 9, 2014.

The samples were analyzed for NWTPH-Gx, NWTPH-Dx, and Total and TCLP Metals, as requested on the COCs.

The total metals matrix spike in association with sample G-FA-117 (7-8) is out of control low for antimony and out of control high for lead.

There were no other anomalies associated with the samples.

A copy of this report and all corresponding raw data will remain on file electronically with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com

Chain-of-Custody Record

Date 6/6/17
 Page 1 of 2

Project Name Ancon-Hilbert Post RI Supplemental Characterization Project No. 177029.500
 Project Location/Event Everett, WA
 Sampler's Name Steve Shaw
 Project Contact Kathryn Huntley
 Send Results To Kathryn Huntley, Anne Peterson

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters	Observations/Comments
G-FA-101k (3-4)	6/6/17	0840	SOIL	1	Arctic	X Allow water samples to settle, collect aliquot from clear portion
G-FA-101k (5-6)		0850		1	Arctic	X NWTPH-Dx - run acid wash/silica gel cleanup
G-FA-101o (3-4)		0900		1	Arctic	run samples standardized to _____ product
G-FA-101o (5-6)		0910		1	Arctic	Analyze for EPH if no specific product identified
G-FA-101j (3-4)		0920		1	Arctic	VOC/BTEX/VPH (soil): non-preserved preserved w/methanol preserved w/sodium bisulfate Freeze upon receipt
G-FA-101j (5-6)		0930		1	Arctic	Dissolved metal water samples field filtered
G-FA-101n (3-4)		0940		1	Arctic	Other _____
G-FA-101n (5-6)		0945		1	Arctic	
G-FA-101i (3-4)		1005		1	Arctic	
G-FA-101i (5-6)		1010		1	Arctic	
G-FA-101n (3-4)		1030		1	Arctic	
G-FA-101n (5-6)		1035		1	Arctic	
G-FA-101h (2.5-3.5)		1050		1	Arctic	
G-FA-101L (3-4)		1125		1	Arctic	
G-FA-101L (5-6)		1130		1	Arctic	
G-FA-116 (10-11)		1155		1	Arctic	
G-FA-117 (7-8)		1210		2	Arctic	
G-FA-117 (8-9)		1215		1	Arctic	
Special Shipment/Handling or Storage Requirements					Method of Shipment	
Cooler + ice						

Turnaround Time
 Standard
 Accelerated

Relinquished by
 Signature [Signature]
 Printed Name STEVEN D SHAW
 Company Landau Assoc.
 Date 6/9/17 Time 0800

Received by
 Signature [Signature]
 Printed Name Rich Hudson
 Company AA
 Date 6/9/17 Time 1310

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

YN10 00002



Chain-of-Custody Record

Date 6/6/17
Page 2 of 2

Project Name Arson-Hilbert Post RI Project No. 147019.500
 Project Location/Event Everett, WA
 Sampler's Name Steve Shaw
 Project Contact Kathryn Hartley
 Send Results To Kathryn Hartley, Anne Holborn

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters		Observations/Comments
					Standard	Accelerated	
G-FA-118(6-7)	6/6/17	1345	soil	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X Allow water samples to settle, collect aliquot from clear portion X NWTPH-Dx - run acid wash/silica gel cleanup run samples standardized to _____ product Analyze for EPH if no specific product identified VOC/BTEX/VPH (soil): <input type="checkbox"/> non-preserved <input type="checkbox"/> preserved w/methanol <input type="checkbox"/> preserved w/sodium bisulfate <input type="checkbox"/> Freeze upon receipt <input type="checkbox"/> Dissolved metal water samples field filtered Other _____
G-FA-119C(0.4-1.2)		1430		2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
G-FA-DUP1		0700		1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
G-FA-DUP2		0710		1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
G-FA-DUP3		0720		4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rinse-1		1500	water	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Special Shipment/Handling or Storage Requirements <u>cool + ice</u>					Method of Shipment		
Relinquished by		Received by		Relinquished by		Received by	
Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature _____		Signature _____	
Printed Name <u>Steve P. Shaw</u>		Printed Name <u>Rich Hudson</u>		Printed Name _____		Printed Name _____	
Company <u>Landau Assoc.</u>		Company <u>ARI</u>		Company _____		Company _____	
Date <u>6/9/17</u> Time <u>0800</u>		Date <u>6/4/14</u> Time <u>1310</u>		Date _____ Time _____		Date _____ Time _____	

Turnaround Time
 Standard
 Accelerated

Arsenic
 Sb, As Pb
 NWTPH-Dx
 NWTPH-G
 RCPA & TCLP

YN10 : 000003

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 828-2483
 Spokane (509) 327-9737
 Portland (503) 542-1080



edit by KFH 6/12/14

Date 6/6/17
 Page 1 of 2

Chain-of-Custody Record

Project Name Anderson-Holbut Point RI
 Project Location/Event Everett, WA
 Sampler's Name Steve Sloan
 Project Contact Kathryn Hartley
 Sand Results To Kathryn Hartley, Anne Nelson

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters	Observations/Comments
G-FA-101A (3-4)	6/6/17	0840	SOIL	1	ARXIN	
G-FA-101K (5-6)		0850		1	ARCHIVE	
G-FA-101G (3-4)		0900		1	Run Matrix Spike	
G-FA-101G (5-6)		0910		1	ARCHIVE	
G-FA-101J (3-4)		0920		1	ARCHIVE	
G-FA-101J (5-6)		0930		1	ARCHIVE	
G-FA-101N (3-4)		0940		1	ARCHIVE	
G-FA-101N (5-6)		0945		1	ARCHIVE	
G-FA-101I (3-4)		1005		1	ARCHIVE	
G-FA-101L (5-6)		1010		1	ARCHIVE	
G-FA-101N (3-4)		1030		1	ARCHIVE	
G-FA-101N (5-6)		1035		1	ARCHIVE	
G-FA-101H (2.5-3.5)		1050		1	ARCHIVE	
G-FA-101L (3-4)		1125		1	ARCHIVE	
G-FA-101L (5-6)		1130		1	ARCHIVE	
G-FA-116 (10-11)		1155		1	ARCHIVE	
G-FA-117 (7-8)		1210		2	ARCHIVE	
G-FA-117 (8-9)		1215		1	ARCHIVE	

Special Shipments/Handling or Storage Requirements: cool + ice

Received by	Relinquished by	Received by
Signature: _____ Printed Name: _____ Company: _____ Date: <u>6/1/17</u> Time: <u>0800</u>	Signature: _____ Printed Name: _____ Company: _____ Date: _____ Time: _____	Signature: _____ Printed Name: _____ Company: _____ Date: _____ Time: _____

Turnaround Time: Standard Accelerated

Observations/Comments: X. Allow water samples to settle, collect aliquot from clear portion
X. NW/TPH-Dx - run acid wash/silica gel cleanup
 ___ run samples standardized to _____ product
 ___ Analyze for EPH if no specific product identified
 VOC/BTEX/VPH (soil):
 ___ non-preserved
 ___ preserved w/methanol
 ___ preserved w/sodium bisulfate
 ___ Freeze upon receipt
 ___ Dissolved metal water samples field filtered
 Other: _____

10000 : 0121 Y

Seattle/Edmonds (426) 778-0907
 Tacoma (253) 926-2483
 Spokane (509) 327-9737
 Portland (503) 542-1090



Chain-of-Custody Record

Project Name Amcor-Albert Post REI Project No. 147029.500
 Project Location/Event Everett, WA

Sampler's Name Steve Shel
 Project Contact K. Hays
 Send Results To Kathryn Herley, Amy Hixson

Sample I.D.	Date	Time	Matrix	No. of Containers	Observations/Comments
G-FA-115(6-3)	6/6/17	1345	SOIL	4	X Allow water samples to settle, collect aliquot from clear portion X NWTPH-Dx - run acid wash/vsica gel cleanup run samples standardized to product Analyze for EPH if no specific product identified VOC/BTEX/VPH (soil): <input type="checkbox"/> non-preserved <input type="checkbox"/> preserved w/methanol <input type="checkbox"/> preserved w/sodium bisulfite <input type="checkbox"/> Freeze upon receipt <input type="checkbox"/> Dissolved metal water samples field filtered Other _____
G-FA-119(0.4-1.2)	6/6/17	1430		2	
G-FA-DUP1		0900		1	
G-FA-DUP2		0910		1	
G-FA-DUP3		0910		4	
Rysite-1		1500	water	1	

Turnaround Time
 Standard
 Accelerated

Method of Shipment

Received by
 Signature _____
 Printed Name _____
 Company _____

Relinquished by
 Signature _____
 Printed Name _____
 Company _____

Date: 6/6/17 Time: 0900

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

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Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____

Date: _____ Time: _____



Cooler Receipt Form

ARI Client: Laudan

Project Name Ameron-Hulbert Post RI Supplemental

COC No(s): _____ NA

Delivered by: Fed-Ex UPS Courier Hand Delivered Other: Characterization

Assigned ARI Job No: YN10 / YN61

Tracking No: _____ NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES NO

Were custody papers included with the cooler? YES NO

Were custody papers properly filled out (ink, signed, etc) YES NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)

Time: 1310

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: 90877952

Cooler Accepted by: [Signature] Date 6/9/14 Time 1310

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES NO

What kind of packing material was used? ... Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: _____

Was sufficient ice used (if appropriate)? NA YES NO

Were all bottles sealed in individual plastic bags? YES NO

Did all bottles arrive in good condition (unbroken)? YES NO

Were all bottle labels complete and legible? YES NO

Did the number of containers listed on COC match with the number of containers received? YES NO

Did all bottle labels and tags agree with custody papers? YES NO

Were all bottles used correct for the requested analyses? YES NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)... NA YES NO

Were all VOC vials free of air bubbles? NA YES NO

Was sufficient amount of sample sent in each bottle? YES NO

Date VOC Trip Blank was made at ARI... NA

Was Sample Split by ARI: NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by JM Date: 6/9/14 Time: 1326

**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC
G-FA-119c	G-FA-119c(0.4.1.2)		

Additional Notes, Discrepancies, & Resolutions:
G-FA-116 (10-11) has 2 containers, COC says 1.

By: JM Date: 6/19/14



Small → "sm" (< 2 mm)
Peabubbles → "pb" (2 to < 4 mm)
Large → "lg" (4 to < 6 mm)
Headspace → "hs" (> 6 mm)

Sample ID Cross Reference Report



ARI Job No: YN10
Client: Landau Associates, Inc.
Project Event: 147029.500
Project Name: Ameron-Hulber Post RI Supplemental

Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1. G-FA-101k(3-4)	YN10A	14-11064	Soil	06/06/14 08:40	06/09/14 13:10
2. G-FA-101k(5-6)	YN10B	14-11065	Soil	06/06/14 08:50	06/09/14 13:10
3. G-FA-101j(3-4)	YN10C	14-11066	Soil	06/06/14 09:20	06/09/14 13:10
4. G-FA-101j(5-6)	YN10D	14-11067	Soil	06/06/14 09:30	06/09/14 13:10
5. G-FA-101i(3-4)	YN10E	14-11068	Soil	06/06/14 10:05	06/09/14 13:10
6. G-FA-101i-(5-6)	YN10F	14-11069	Soil	06/06/14 10:10	06/09/14 13:10
7. G-FA-101h(2.5-3.5)	YN10G	14-11070	Soil	06/06/14 10:50	06/09/14 13:10
8. G-FA-116(10-11)	YN10H	14-11071	Soil	06/06/14 11:55	06/09/14 13:10
9. G-FA-117(7-8)	YN10I	14-11072	Soil	06/06/14 12:10	06/09/14 13:10
10. G-FA-118(6-7)	YN10J	14-11073	Soil	06/06/14 13:45	06/09/14 13:10
11. G-FA-119c(0.4-1.2)	YN10K	14-11074	Soil	06/06/14 14:30	06/09/14 13:10
12. G-FA-DUP1	YN10L	14-11075	Soil	06/06/14 07:00	06/09/14 13:10
13. G-FA-DUP2	YN10M	14-11076	Soil	06/06/14 07:10	06/09/14 13:10
14. G-FA-DUP3	YN10N	14-11077	Soil	06/06/14 07:20	06/09/14 13:10
15. Rinsate-1	YN10O	14-11078	Water	06/06/14 15:00	06/09/14 13:10
16. G-FA-101o(3-4)	YN10P	14-11079	Soil	06/06/14 09:00	06/09/14 13:10
17. G-FA-101o(5-6)	YN10Q	14-11080	Soil	06/06/14 09:10	06/09/14 13:10
18. G-FA-101n(3-4)	YN10R	14-11081	Soil	06/06/14 09:40	06/09/14 13:10
19. G-FA-101n(5-6)	YN10S	14-11082	Soil	06/06/14 09:45	06/09/14 13:10
20. G-FA-101m(3-4)	YN10T	14-11083	Soil	06/06/14 10:30	06/09/14 13:10
21. G-FA-101m(5-6)	YN10U	14-11084	Soil	06/06/14 10:35	06/09/14 13:10
22. G-FA-101l(3-4)	YN10V	14-11085	Soil	06/06/14 11:25	06/09/14 13:10
23. G-FA-101L(5-6)	YN10W	14-11086	Soil	06/06/14 11:30	06/09/14 13:10
24. G-FA-117(8-9)	YN10X	14-11087	Soil	06/06/14 12:15	06/09/14 13:10

Sample ID Cross Reference Report



ARI Job No: YN61
Client: Landau Associates, Inc.
Project Event: 147029.500
Project Name: Ameron-Hulbert Post RI Supplemental

Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1. G-FA-117(8-9)	YN61A	14-11349	Soil	06/06/14 12:15	06/09/14 13:10



ARI Job No: YN10
 PC: Kelly
 VTSR: 06/09/14

Inquiry Number: NONE
 Analysis Requested: 06/09/14
 Contact: Hendrickson, Kris
 Client: Landau Associates, Inc.
 Logged by: JM
 Sample Set Used: Yes-490
 Validatable Package: No
 Deliverables:

Project #: 147029.500
 Project: Ameron-Hulber Post RI Supplemental
 Sample Site:
 SDG No:
 Analytical Protocol: In-house

LOGNUM	ARI ID	CLIENT ID	CN	WAD	NH3	COD	FOG	MET	PHEN	PHOS	TKN	NO23	TOC	S2	TPHD	Fe2+	DMET DOC	FLT	FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
14-11078			>12	>12	<2	<2	<2	<2	<2	<2	<2	<2	<2	>9	<2	<2								
YN100		Rinsate-1						TOT																

Checked By JW Dated 6/14

**ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS**

NWTPHD by GC/FID-Silica and Acid Cleaned
Extraction Method: SW3546
Page 1 of 1

QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplement
147029.500

Matrix: Soil
Data Release Authorized: *RS*
Reported: 06/19/14

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DF	Range/Surrogate	RL	Result
MB-061214 14-11073	Method Blank HC ID: ---	06/12/14	06/18/14 FID3B	1.00 1.0	Diesel Range Motor Oil Range o-Terphenyl	5.0 10	< 5.0 U < 10 U 99.5%
YN10J 14-11073	G-FA-118(6-7) HC ID: DIESEL	06/12/14	06/18/14 FID3B	1.00 1.0	Diesel Range Motor Oil Range o-Terphenyl	6.4 13	7.2 < 13 U 96.2%
YN10N 14-11077	G-FA-DUP3 HC ID: ---	06/12/14	06/18/14 FID3B	1.00 1.0	Diesel Range Motor Oil Range o-Terphenyl	6.0 12	< 6.0 U < 12 U 95.6%

Reported in mg/kg (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel range quantitation on total peaks in the range from C12 to C24.
Motor Oil range quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplemental
147029.500

<u>Client ID</u>	<u>OTER</u>	<u>TOT OUT</u>
MB-061214	99.5%	0
LCS-061214	84.4%	0
LCSD-061214	88.2%	0
G-FA-118 (6-7)	96.2%	0
G-FA-DUP3	95.6%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(50-150)	(50-150)

Prep Method: SW3546
Log Number Range: 14-11073 to 14-11077

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned
 Page 1 of 1

Sample ID: LCS-061214
LCS/LCSD

Lab Sample ID: LCS-061214
 LIMS ID: 14-11073
 Matrix: Soil
 Data Release Authorized: *AB*
 Reported: 06/19/14

QC Report No: YN10-Landau Associates, Inc.
 Project: Ameron-Hulber Post RI Supplemental
 147029.500
 Date Sampled: 06/06/14
 Date Received: 06/09/14

Date Extracted LCS/LCSD: 06/12/14

Sample Amount LCS: 10.0 g
 LCSD: 10.0 g

Date Analyzed LCS: 06/18/14 12:55
 LCSD: 06/18/14 13:20

Final Extract Volume LCS: 1.0 mL
 LCSD: 1.0 mL

Instrument/Analyst LCS: FID/JLW
 LCSD: FID/JLW

Dilution Factor LCS: 1.0
 LCSD: 1.0

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	114	150	76.0%	119	150	79.3%	4.3%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	84.4%	88.2%

Results reported in mg/kg
 RPD calculated using sample concentrations per SW846.

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Soil
Date Received: 06/09/14

ARI Job: YN10
Project: Ameron-Hulber Post RI Supplemental
147029.500

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
14-11073-061214MB1	Method Blank	10.0 g	1.00 mL	-	06/12/14
14-11073-061214LCS1	Lab Control	10.0 g	1.00 mL	-	06/12/14
14-11073-061214LCSD1	Lab Control Dup	10.0 g	1.00 mL	-	06/12/14
14-11073-YN10J	G-FA-118(6-7)	7.80 g	1.00 mL	D	06/12/14
14-11077-YN10N	G-FA-DUP3	8.34 g	1.00 mL	D	06/12/14

ORGANICS ANALYSIS DATA SHEET

TPHG by Method NWTPHG

Matrix: Soil

Data Release Authorized: 

Reported: 06/17/14



QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

Event: 147029.500

ARI ID	Client ID	Analysis Date	Basis	Range	Result
MB-061614 14-11073	Method Blank	06/16/14 PID1	Dry	Gasoline	< 5.0 U
				HC ID	---
				Trifluorotoluene	98.9%
				Bromobenzene	98.7%
YN10J 14-11073	G-FA-118(6-7)	06/16/14 PID1	Dry	Gasoline	< 7.5 U
				HC ID	---
				Trifluorotoluene	93.9%
				Bromobenzene	94.5%
YN10N 14-11077	G-FA-DUP3	06/16/14 PID1	Dry	Gasoline	< 7.2 U
				HC ID	---
				Trifluorotoluene	93.9%
				Bromobenzene	94.9%

Gasoline values reported in mg/kg (ppm)

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.

GRO: Positive result that does not match an identifiable gasoline pattern.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

TPHG SOIL SURROGATE RECOVERY SUMMARY

ARI Job: YN10
Matrix: Soil

QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplemental
Event: 147029.500

<u>Client ID</u>	<u>BFB</u>	<u>TFT</u>	<u>BBZ</u>	<u>TOT</u>	<u>OUT</u>
MB-061614	NA	98.9%	98.7%	0	
LCS-061614	NA	102%	99.2%	0	
LCSD-061614	NA	99.1%	97.4%	0	
G-FA-118(6-7)	NA	93.9%	94.5%	0	
G-FA-DUP3	NA	93.9%	94.9%	0	

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(80-120)	(65-128)
(BBZ) = Bromobenzene	(80-120)	(52-149)

Log Number Range: 14-11073 to 14-11077

ORGANICS ANALYSIS DATA SHEET

TPHG by Method NWTPHG

Page 1 of 1


Sample ID: LCS-061614

LAB CONTROL SAMPLE

Lab Sample ID: LCS-061614

LIMS ID: 14-11073

Matrix: Soil

Data Release Authorized: 

Reported: 06/17/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

Event: 147029.500

Date Sampled: NA

Date Received: NA

Date Analyzed LCS: 06/16/14 12:46

LCS D: 06/16/14 13:15

Instrument/Analyst LCS: PID1/PKC

LCS D: PID1/PKC

Purge Volume: 5.0 mL

Sample Amount LCS: 100 mg-dry-wt

LCS D: 100 mg-dry-wt

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCS D	Spike Added-LCS D	LCS D Recovery	RPD
Gasoline Range Hydrocarbons	55.2	50.0	110%	52.6	50.0	105%	4.8%

Reported in mg/kg (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCS D
Trifluorotoluene	102%	99.1%
Bromobenzene	99.2%	97.4%

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: G-FA-101k(3-4)
SAMPLE

Lab Sample ID: YN10A

LIMS ID: 14-11064

Matrix: Soil

Data Release Authorized 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 91.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	3.0	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

**Sample ID: G-FA-101k(3-4)
DUPLICATE**

Lab Sample ID: YN10A

LIMS ID: 14-11064

Matrix: Soil

Data Release Authorized:

Reported: 06/18/14



QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	200.8	3.0	3.1	3.3%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-101k(3-4)
MATRIX SPIKE**

Lab Sample ID: YN10A

LIMS ID: 14-11064

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Arsenic	200.8	3.0	28.8	25.5	101%	

Reported in mg/kg-dry

N-Control Limit Not Met

H-% Recovery Not Applicable, Sample Concentration Too High

NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: G-FA-101k(5-6)
SAMPLE

Lab Sample ID: YN10B

LIMS ID: 14-11065

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 85.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	4.1	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: G-FA-101j(3-4)
SAMPLE

Lab Sample ID: YN10C

LIMS ID: 14-11066

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 90.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	4.0	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: G-FA-101j(5-6)
SAMPLE

Lab Sample ID: YN10D

LIMS ID: 14-11067

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 56.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.3	14.5	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-101i(3-4)
SAMPLE**

Lab Sample ID: YN10E

LIMS ID: 14-11068

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 81.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	7.3	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-101i-(5-6)
SAMPLE**

Lab Sample ID: YN10F

LIMS ID: 14-11069

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 61.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.3	17.3	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

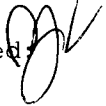
Page 1 of 1

Sample ID: G-FA-101h(2.5-3.5)
SAMPLE

Lab Sample ID: YN10G

LIMS ID: 14-11070

Matrix: Soil

Data Release Authorized 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 82.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	30.5	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: G-FA-116(10-11)
SAMPLE

Lab Sample ID: YN10H

LIMS ID: 14-11071

Matrix: Soil

Data Release Authorized 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 52.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-36-0	Antimony	0.4	0.4	U
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.4	11.5	
3050B	06/11/14	200.8	06/17/14	7439-92-1	Lead	0.2	29.1	

U-Analyte undetected at given LOQ

LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-117(7-8)
SAMPLE**

Lab Sample ID: YN10I

LIMS ID: 14-11072

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 70.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-36-0	Antimony	0.3	0.3	U
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.3	7.3	
3050B	06/11/14	200.8	06/17/14	7439-92-1	Lead	0.1	7.3	

U-Analyte undetected at given LOQ

LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-117(7-8)
DUPLICATE**

Lab Sample ID: YN10I

LIMS ID: 14-11072

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Arsenic	200.8	7.3	7.0	4.2%	+/- 20%	
Lead	200.8	7.3	6.6	10.1%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-117(7-8)
MATRIX SPIKE**

Lab Sample ID: YN10I

LIMS ID: 14-11072

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Antimony	200.8	0.3 U	3.3	34.7	9.5%	N
Arsenic	200.8	7.3	42.1	34.7	100%	
Lead	200.8	7.3	52.8	34.7	131%	N

Reported in mg/kg-dry

N-Control Limit Not Met

H-% Recovery Not Applicable, Sample Concentration Too High

NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-119c(0.4-1.2)
SAMPLE**

Lab Sample ID: YN10K

LIMS ID: 14-11074

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 93.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-36-0	Antimony	2	25	
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	2	2,580	
3050B	06/11/14	200.8	06/17/14	7439-92-1	Lead	1	1,700	

U-Analyte undetected at given LOQ

LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-DUP1
SAMPLE**

Lab Sample ID: YN10L

LIMS ID: 14-11075

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 81.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	35.4	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-DUP2
SAMPLE**

Lab Sample ID: YN10M

LIMS ID: 14-11076

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 69.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-36-0	Antimony	0.3	0.3	U
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.3	5.9	
3050B	06/11/14	200.8	06/17/14	7439-92-1	Lead	0.1	6.0	

U-Analyte undetected at given LOQ

LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: Rinsate-1
SAMPLE**

Lab Sample ID: YN100

LIMS ID: 14-11078

Matrix: Water

Data Release Authorized 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	06/10/14	200.8	06/17/14	7440-36-0	Antimony	0.2	0.2	U
200.8	06/10/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	0.2	U
200.8	06/10/14	200.8	06/17/14	7439-92-1	Lead	0.1	0.1	U

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TCLP METALS

Page 1 of 1

**Sample ID: G-FA-119c(0.4-1.2)
SAMPLE**

Lab Sample ID: YN10K
LIMS ID: 14-11074
Matrix: Soil
Data Release Authorized:
Reported: 06/18/14



QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplemental
147029.500
Date Sampled: 06/06/14
Date Received: 06/09/14

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/L	Q
1311	06/11/14	6010C	06/13/14	7440-38-2	Arsenic	0.2	0.2	U
1311	06/11/14	6010C	06/13/14	7440-39-3	Barium	0.02	0.10	
1311	06/11/14	6010C	06/13/14	7440-43-9	Cadmium	0.01	0.02	
1311	06/11/14	6010C	06/13/14	7440-47-3	Chromium	0.02	0.06	
1311	06/11/14	6010C	06/13/14	7439-92-1	Lead	0.1	0.2	
1311	06/11/14	7470A	06/13/14	7439-97-6	Mercury	0.0001	0.0001	U
1311	06/11/14	6010C	06/13/14	7782-49-2	Selenium	0.2	0.2	U
1311	06/11/14	6010C	06/13/14	7440-22-4	Silver	0.02	0.02	U

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TCLP METALS


Page 1 of 1

**Sample ID: G-FA-119c(0.4-1.2)
DUPLICATE**

Lab Sample ID: YN10K

LIMS ID: 14-11074

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	6010C	0.2 U	0.2 U	0.0%	+/- 0.2	L
Barium	6010C	0.10	0.11	9.5%	+/- 20%	
Cadmium	6010C	0.02	0.02	0.0%	+/- 0.01	L
Chromium	6010C	0.06	0.05	18.2%	+/- 0.02	L
Lead	6010C	0.2	0.2	0.0%	+/- 0.1	L
Mercury	7470A	0.0001 U	0.0001 U	0.0%	+/- 0.0001	L
Selenium	6010C	0.2 U	0.2 U	0.0%	+/- 0.2	L
Silver	6010C	0.02 U	0.02 U	0.0%	+/- 0.02	L

Reported in mg/L

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TCLP METALS

Page 1 of 1

**Sample ID: G-FA-119c(0.4-1.2)
MATRIX SPIKE**

Lab Sample ID: YN10K
LIMS ID: 14-11074
Matrix: Soil
Data Release Authorized:
Reported: 06/18/14



QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplemental
147029.500
Date Sampled: 06/06/14
Date Received: 06/09/14

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Arsenic	6010C	0.2 U	4.3	4.0	108%	
Barium	6010C	0.10	4.13	4.00	101%	
Cadmium	6010C	0.02	1.00	1.00	98.0%	
Chromium	6010C	0.06	1.02	1.00	96.0%	
Lead	6010C	0.2	4.2	4.0	100%	
Mercury	7470A	0.0001 U	0.0012	0.0010	120%	
Selenium	6010C	0.2 U	4.2	4.0	105%	
Silver	6010C	0.02 U	1.04	1.00	104%	

Reported in mg/L

N-Control Limit Not Met

H-% Recovery Not Applicable, Sample Concentration Too High

NA-Not Applicable, Analyte Not Spiked or diluted near or below detection limit

Percent Recovery Limits: 75-125%

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Sample ID: METHOD BLANK

Page 1 of 1

Lab Sample ID: YN10MB
LIMS ID: 14-11071
Matrix: Soil
Data Release Authorized:
Reported: 06/18/14



QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplemental
147029.500
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/11/14	200.8	06/17/14	7440-36-0	Antimony	0.2	0.2	U
3050B	06/11/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	0.2	U
3050B	06/11/14	200.8	06/17/14	7439-92-1	Lead	0.1	0.1	U

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: YN10LCS
LIMS ID: 14-11071
Matrix: Soil
Data Release Authorized:
Reported: 06/18/14



QC Report No: YN10-Landau Associates, Inc.
Project: Ameron-Hulber Post RI Supplemental
147029.500
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	200.8	25.9	25.0	104%	
Arsenic	200.8	26.9	25.0	108%	
Lead	200.8	26.6	25.0	106%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

INORGANICS ANALYSIS DATA SHEET

TCLP METALS


Page 1 of 1

Sample ID: METHOD BLANK

Lab Sample ID: YN10MB

LIMS ID: 14-11074

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: NA

Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/L	Q
1311	06/11/14	6010C	06/13/14	7440-38-2	Arsenic	0.2	0.2	U
1311	06/11/14	6010C	06/13/14	7440-39-3	Barium	0.02	0.02	U
1311	06/11/14	6010C	06/13/14	7440-43-9	Cadmium	0.01	0.01	U
1311	06/11/14	6010C	06/13/14	7440-47-3	Chromium	0.02	0.02	U
1311	06/11/14	6010C	06/13/14	7439-92-1	Lead	0.1	0.1	U
1311	06/11/14	7470A	06/13/14	7439-97-6	Mercury	0.0001	0.0001	U
1311	06/11/14	6010C	06/13/14	7782-49-2	Selenium	0.2	0.2	U
1311	06/11/14	6010C	06/13/14	7440-22-4	Silver	0.02	0.02	U

U-Analyte undetected at given LOQ

LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Sample ID: METHOD BLANK

Page 1 of 1

Lab Sample ID: YN10MB

QC Report No: YN10-Landau Associates, Inc.

LIMS ID: 14-11078

Project: Ameron-Hulber Post RI Supplemental

Matrix: Water

147029.500

Data Release Authorized: *[Signature]*

Date Sampled: NA

Reported: 06/18/14

Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	06/10/14	200.8	06/17/14	7440-36-0	Antimony	0.2	0.2	U
200.8	06/10/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	0.2	U
200.8	06/10/14	200.8	06/17/14	7439-92-1	Lead	0.1	0.1	U

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: YN10LCS

LIMS ID: 14-11078

Matrix: Water

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN10-Landau Associates, Inc.

Project: Ameron-Hulber Post RI Supplemental

147029.500

Date Sampled: NA

Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	200.8	26.0	25.0	104%	
Arsenic	200.8	26.0	25.0	104%	
Lead	200.8	25.8	25.0	103%	

Reported in µg/L

N-Control limit not met

Control Limits: 80-120%

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

**Sample ID: G-FA-117(8-9)
SAMPLE**

Lab Sample ID: YN61A

LIMS ID: 14-11349

Matrix: Soil

Data Release Authorized: 

Reported: 06/18/14

QC Report No: YN61-Landau Associates, Inc.

Project: Ameron-Hulbert Post RI Supplemental
147029.500

Date Sampled: 06/06/14

Date Received: 06/09/14

Percent Total Solids: 64.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/13/14	200.8	06/17/14	7440-36-0	Antimony	0.3	0.3	U
3050B	06/13/14	200.8	06/17/14	7440-38-2	Arsenic	0.3	8.7	
3050B	06/13/14	200.8	06/17/14	7439-92-1	Lead	0.1	12.2	

U-Analyte undetected at given LOQ
LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Sample ID: METHOD BLANK

Page 1 of 1

Lab Sample ID: YN61MB


QC Report No: YN61-Landau Associates, Inc.

LIMS ID: 14-11349

Project: Ameron-Hulbert Post RI Supplemental

Matrix: Soil

147029.500

Data Release Authorized: 

Date Sampled: NA

Reported: 06/18/14

Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	LOQ	mg/kg-dry	Q
3050B	06/13/14	200.8	06/17/14	7440-36-0	Antimony	0.2	0.2	U
3050B	06/13/14	200.8	06/17/14	7440-38-2	Arsenic	0.2	0.2	U
3050B	06/13/14	200.8	06/17/14	7439-92-1	Lead	0.1	0.1	U

U-Analyte undetected at given LOQ

LOQ-Limit of Quantitation

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: YN61LCS

LIMS ID: 14-11349

Matrix: Soil

Data Release Authorized

Reported: 06/18/14



QC Report No: YN61-Landau Associates, Inc.

Project: Ameron-Hulbert Post RI Supplemental

147029.500

Date Sampled: NA

Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	200.8	25.8	25.0	103%	
Arsenic	200.8	27.2	25.0	109%	
Lead	200.8	26.5	25.0	106%	

Reported in mg/kg-dry

N-Control limit not met

NA-Not Applicable, Analyte Not Spiked

Control Limits: 80-120%

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832404

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 6:14 am 4/16/21 6:42 am
2235 GCEU431796

Contract:MC-19267 PO:21AH

BNSF231160

Scale In GROSS WEIGHT	115,340	NET TONS	33.52	
Scale Out TARE WEIGHT	48,300	NET WEIGHT	67,040	INBOUND INVOICE

28.00	YD	Tracking QTY	
33.52	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832407

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 6:24 am 4/16/21 6:45 am
5227 GCEU435223

Contract:MC-19267 PO:21AH

BNSF231160

Scale In GROSS WEIGHT	114,840	NET TONS	33.94	
Scale Out TARE WEIGHT	46,960	NET WEIGHT	67,880	INBOUND INVOICE

28.00	YD	Tracking QTY	
33.94	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832462

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 8:26 am
5223

4/16/21 8:49 am
GCEU425315

Contract:MC-19267 PO:21AH

BNSF230040

Scale In GROSS WEIGHT 119,420 NET TONS 35.85
Scale Out TARE WEIGHT 47,720 NET WEIGHT 71,700

INBOUND
INVOICE

28.00 YD Tracking QTY
35.85 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832463

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 8:36 am
5222

4/16/21 9:01 am
TOLU468988

Contract:MC-19267 PO:21AH

BNSF230080

Scale In GROSS WEIGHT 108,640 NET TONS 30.79
Scale Out TARE WEIGHT 47,060 NET WEIGHT 61,580

INBOUND
INVOICE

28.00 YD Tracking QTY
30.79 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832464

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 8:46 am 4/16/21 9:05 am
2235 GCEU430223

Contract:MC-19267 PO:21AH

BNSF230040

Scale In GROSS WEIGHT	109,380	NET TONS	31.64	
Scale Out TARE WEIGHT	46,100	NET WEIGHT	63,280	INBOUND INVOICE

28.00	YD	Tracking QTY	
31.64	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832466

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 9:19 am 4/16/21 9:43 am
5223 GCEU426815

Contract:MC-19267 PO:21AH

DTTX456813

Scale In GROSS WEIGHT	119,640	NET TONS	35.34	
Scale Out TARE WEIGHT	48,960	NET WEIGHT	70,680	INBOUND INVOICE

28.00	YD	Tracking QTY	
35.34	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832468

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/16/21 9:32 am
2235

4/16/21 9:56 am
TOLU476783

Contract:MC-19267 PO:21AH

BNSF230080

Scale In GROSS WEIGHT 114,000 NET TONS 34.25
Scale Out TARE WEIGHT 45,500 NET WEIGHT 68,500

INBOUND
INVOICE

28.00 YD Tracking QTY
34.25 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832479

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 6:02 am
2235

4/17/21 6:23 am
TOLU466714

Contract:MC-19267 PO:21AH

DTTX656451

Scale In GROSS WEIGHT 99,500 NET TONS 25.64
Scale Out TARE WEIGHT 48,220 NET WEIGHT 51,280

INBOUND
INVOICE

28.00 YD Tracking QTY
25.64 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832484

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 6:11 am 4/17/21 6:34 am
5223 TOLU456990

Contract:MC-19267 PO:21AH

DTTX427026

Scale In GROSS WEIGHT 112,920 NET TONS 32.38
Scale Out TARE WEIGHT 48,160 NET WEIGHT 64,760

INBOUND
INVOICE

28.00 YD Tracking QTY
32.38 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832485

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 6:12 am 4/17/21 6:34 am
0330 GCEU432127

Contract:MC-19267 PO:21AH

DTTX427026

Scale In GROSS WEIGHT 103,360 NET TONS 27.52
Scale Out TARE WEIGHT 48,320 NET WEIGHT 55,040

INBOUND
INVOICE

28.00 YD Tracking QTY
27.52 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832522

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 7:14 am
5223

4/17/21 7:53 am
AWIU200013

Contract:MC-19267 PO:21AH

BNSF231068

Scale In GROSS WEIGHT 107,920 NET TONS 28.63
Scale Out TARE WEIGHT 50,660 NET WEIGHT 57,260

INBOUND
INVOICE

28.00 YD Tracking QTY
28.63 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832523

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 7:44 am
5227

4/17/21 8:06 am
TOLU460463

Contract:MC-19267 PO:21AH

BNSF231068

Scale In GROSS WEIGHT 105,120 NET TONS 28.92
Scale Out TARE WEIGHT 47,280 NET WEIGHT 57,840

INBOUND
INVOICE

28.00 YD Tracking QTY
28.92 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832524

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 7:55 am
2235

4/17/21 8:12 am
TOLU457766

Contract:MC-19267 PO:21AH

BNSF231068

Scale In GROSS WEIGHT 100,240 NET TONS 27.17
Scale Out TARE WEIGHT 45,900 NET WEIGHT 54,340

INBOUND
INVOICE

28.00 YD Tracking QTY
27.17 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832530

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 8:45 am
2235

4/17/21 9:14 am
GCEU432123

Contract:MC-19267 PO:21AH

DTTX620616

Scale In GROSS WEIGHT 115,640 NET TONS 34.54
Scale Out TARE WEIGHT 46,560 NET WEIGHT 69,080

INBOUND
INVOICE

28.00 YD Tracking QTY
34.54 tn Cont Soil Origin:Everett 100%

CHANGE:
PAGE *

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832539

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 12:43 pm
5227

4/17/21 1:00 pm
GCEU435207

Contract:MC-19267 PO:21AH

DTTX27616

Scale In GROSS WEIGHT 113,040 NET TONS 32.76
Scale Out TARE WEIGHT 47,520 NET WEIGHT 65,520

INBOUND
INVOICE

28.00 YD Tracking QTY
32.76 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832542

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 12:44 pm
7329

4/17/21 1:10 pm
TOLU424168

Contract:MC-19267 PO:21AH

DTTX27616

Scale In GROSS WEIGHT 113,380 NET TONS 33.65
Scale Out TARE WEIGHT 46,080 NET WEIGHT 67,300

INBOUND
INVOICE

28.00 YD Tracking QTY
33.65 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832543

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 12:50 pm
7331

4/17/21 1:13 pm
TOLU476859

Contract:MC-19267 PO:21AH

BNSF230058

Scale In GROSS WEIGHT 107,700 NET TONS 30.66
Scale Out TARE WEIGHT 46,380 NET WEIGHT 61,320

INBOUND
INVOICE

28.00 YD Tracking QTY
30.66 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832541

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 12:53 pm
0330

4/17/21 1:10 pm
TOLU456661

Contract:MC-19267 PO:21AH

BNSF230058

Scale In GROSS WEIGHT 115,360 NET TONS 33.74
Scale Out TARE WEIGHT 47,880 NET WEIGHT 67,480

INBOUND
INVOICE

28.00 YD Tracking QTY
33.74 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832545

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 12:54 pm
5223

4/17/21 1:19 pm
GCEU435407

Contract:MC-19267 PO:21AH

BNSF230042

Scale In GROSS WEIGHT 112,680 NET TONS 32.72
Scale Out TARE WEIGHT 47,240 NET WEIGHT 65,440

INBOUND
INVOICE

28.00 YD Tracking QTY
32.72 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832553

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 1:10 pm
1565

4/17/21 1:51 pm
TOLU457783

Contract:MC-19267 PO:21AH

BNSF203006

Scale In GROSS WEIGHT 103,340 NET TONS 27.92
Scale Out TARE WEIGHT 47,500 NET WEIGHT 55,840

INBOUND
INVOICE

28.00 YD Tracking QTY
27.92 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832550

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 1:19 pm
5222

4/17/21 1:35 pm
GCEU432025

Contract:MC-19267 PO:21AH

BNSF231039

Scale In GROSS WEIGHT	117,380	NET TONS	33.85
Scale Out TARE WEIGHT	49,680	NET WEIGHT	67,700

INBOUND
INVOICE

28.00	YD	Tracking QTY	
33.85	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832552

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 1:29 pm
5227

4/17/21 1:45 pm
GCEU425293

Contract:MC-19267 PO:21AH

BNSF231039

Scale In GROSS WEIGHT	116,040	NET TONS	34.88
Scale Out TARE WEIGHT	46,280	NET WEIGHT	69,760

INBOUND
INVOICE

28.00	YD	Tracking QTY	
34.88	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832555

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 2:51 pm
1452

4/17/21 3:21 pm
TOLU467189

Contract:MC-19267 PO:21AH

BNSF230102

Scale In GROSS WEIGHT 108,520 NET TONS 33.13
Scale Out TARE WEIGHT 42,260 NET WEIGHT 66,260

INBOUND
INVOICE

28.00 YD Tracking QTY
33.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832556

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 3:16 pm
7749

4/17/21 3:40 pm
GCEU435257

Contract:MC-19267 PO:21AH

BNSF231117

Scale In GROSS WEIGHT 109,420 NET TONS 33.28
Scale Out TARE WEIGHT 42,860 NET WEIGHT 66,560

INBOUND
INVOICE

28.00 YD Tracking QTY
33.28 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832561

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 3:27 pm 4/17/21 3:57 pm
5833 GCEU435390

Contract:MC-19267 PO:21AH

BNSF231117

Scale In GROSS WEIGHT	101,740	NET TONS	28.73	
Scale Out TARE WEIGHT	44,280	NET WEIGHT	57,460	INBOUND INVOICE

28.00	YD	Tracking QTY	
28.73	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832562

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 3:36 pm 4/17/21 4:00 pm
3449 GCEU440256

Contract:MC-19267 PO:21AH

BNSF230081

Scale In GROSS WEIGHT	108,120	NET TONS	33.50	
Scale Out TARE WEIGHT	41,120	NET WEIGHT	67,000	INBOUND INVOICE

28.00	YD	Tracking QTY	
33.50	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832560

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 3:40 pm
1454

4/17/21 3:54 pm
GCEU445109

Contract:MC-19267 PO:21AH

BNSF230081

Scale In GROSS WEIGHT 111,720 NET TONS 32.38
Scale Out TARE WEIGHT 46,960 NET WEIGHT 64,760

INBOUND
INVOICE

28.00 YD Tracking QTY
32.38 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832565

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/17/21 3:52 pm
1452

4/17/21 4:12 pm
GCEU426701

Contract:MC-19267 PO:21AH

BNSF230081

Scale In GROSS WEIGHT 95,300 NET TONS 27.65
Scale Out TARE WEIGHT 40,000 NET WEIGHT 55,300

INBOUND
INVOICE

28.00 YD Tracking QTY
27.65 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832617

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 9:45 am 4/20/21 10:05 am
5833 GCEU431745

Contract:MC-19267 PO:21AH

DTTX620322

Scale In GROSS WEIGHT 107,580 NET TONS 30.11 INBOUND
Scale Out TARE WEIGHT 47,360 NET WEIGHT 60,220 INVOICE

28.00 YD Tracking QTY
30.11 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832631

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 11:10 am 4/20/21 11:29 am
0329 GCEU430566

Contract:MC-19267 PO:21AH

BNSF231119

Scale In GROSS WEIGHT 108,800 NET TONS 30.27 INBOUND
Scale Out TARE WEIGHT 48,260 NET WEIGHT 60,540 INVOICE

28.00 YD Tracking QTY
30.27 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832652

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 11:40 am
5222

4/20/21 12:02 pm
TOLU467806

Contract:MC-19267 PO:21AH

DTTX427573

Scale In GROSS WEIGHT 107,940 NET TONS 30.63
Scale Out TARE WEIGHT 46,680 NET WEIGHT 61,260

INBOUND
INVOICE

28.00 YD Tracking QTY
30.63 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832659

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 11:58 am
0329

4/20/21 12:16 pm
GCEU425951

Contract:MC-19267 PO:21AH

BNSF230137

Scale In GROSS WEIGHT 113,120 NET TONS 32.94
Scale Out TARE WEIGHT 47,240 NET WEIGHT 65,880

INBOUND
INVOICE

28.00 YD Tracking QTY
32.94 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832676

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 12:18 pm
5227

4/20/21 12:42 pm
AWIU200018

Contract:MC-19267 PO:21AH

DTTX658521

Scale In GROSS WEIGHT	105,380	NET TONS	27.59
Scale Out TARE WEIGHT	50,200	NET WEIGHT	55,180

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.59	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832674

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 12:23 pm
1454

4/20/21 12:41 pm
GCEU432240

Contract:MC-19267 PO:21AH

BNSF230081

Scale In GROSS WEIGHT	112,080	NET TONS	31.64
Scale Out TARE WEIGHT	48,800	NET WEIGHT	63,280

INBOUND
INVOICE

28.00	YD	Tracking QTY	
31.64	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832680

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 12:32 pm
5222

4/20/21 12:51 pm
GCEU425375

Contract:MC-19267 PO:21AH

BNSF230081

Scale In GROSS WEIGHT 103,700 NET TONS 26.87
Scale Out TARE WEIGHT 49,960 NET WEIGHT 53,740

INBOUND
INVOICE

28.00 YD Tracking QTY
26.87 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832685

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 12:46 pm
0329

4/20/21 1:04 pm
GCEU435549

Contract:MC-19267 PO:21AH

BNSF231117

Scale In GROSS WEIGHT 107,600 NET TONS 30.09
Scale Out TARE WEIGHT 47,420 NET WEIGHT 60,180

INBOUND
INVOICE

28.00 YD Tracking QTY
30.09 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832693

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 1:11 pm 4/20/21 1:33 pm
1454 TOLU459391

Contract:MC-19267 PO:21AH

BNSF230102

Scale In GROSS WEIGHT 111,380 NET TONS 31.82
Scale Out TARE WEIGHT 47,740 NET WEIGHT 63,640

INBOUND
INVOICE

28.00 YD Tracking QTY
31.82 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832749

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 3:18 pm 4/20/21 3:47 pm
5222 TPHU252450

Contract:MC-19267 PO:21AH

DTTX620322

Scale In GROSS WEIGHT 107,200 NET TONS 29.47
Scale Out TARE WEIGHT 48,260 NET WEIGHT 58,940

INBOUND
INVOICE

28.00 YD Tracking QTY
29.47 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832745

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 3:20 pm
0330

4/20/21 3:40 pm
GCEU426709

Contract:MC-19267 PO:21AH

DTTX620322

Scale In GROSS WEIGHT 104,200 NET TONS 28.07
Scale Out TARE WEIGHT 48,060 NET WEIGHT 56,140

INBOUND
INVOICE

28.00 YD Tracking QTY
28.07 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832750

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/20/21 3:22 pm
0329

4/20/21 3:47 pm
TOLU469915

Contract:MC-19267 PO:21AH

BNSF231053

Scale In GROSS WEIGHT 110,260 NET TONS 30.80
Scale Out TARE WEIGHT 48,660 NET WEIGHT 61,600

INBOUND
INVOICE

28.00 YD Tracking QTY
30.80 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832810

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/21/21 7:51 am 4/21/21 8:20 am
5227 GCEU426879

Contract:MC-19267 PO:21AH

DTTX620758

Scale In GROSS WEIGHT	101,040	NET TONS	26.49
Scale Out TARE WEIGHT	48,060	NET WEIGHT	52,980

INBOUND
INVOICE

28.00	YD	Tracking QTY	
26.49	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832817

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/21/21 8:12 am 4/21/21 8:40 am
2235 GCEU435506

Contract:MC-19267 PO:21AH

DTTX620758

Scale In GROSS WEIGHT	104,580	NET TONS	28.59
Scale Out TARE WEIGHT	47,400	NET WEIGHT	57,180

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.59	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832818

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/21/21 8:26 am
7331

4/21/21 8:48 am
TOLU459425

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 100,980 NET TONS 27.50
Scale Out TARE WEIGHT 45,980 NET WEIGHT 55,000

INBOUND
INVOICE

28.00 YD Tracking QTY
27.50 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832819

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/21/21 8:51 am
5227

4/21/21 9:12 am
TRLU901885

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 113,680 NET TONS 33.54
Scale Out TARE WEIGHT 46,600 NET WEIGHT 67,080

INBOUND
INVOICE

28.00 YD Tracking QTY
33.54 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832820

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/21/21 9:12 am 4/21/21 9:43 am
2235 TOLU461796

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 105,340 NET TONS 29.07
Scale Out TARE WEIGHT 47,200 NET WEIGHT 58,140

INBOUND
INVOICE

28.00 YD Tracking QTY
29.07 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832821

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/21/21 9:22 am 4/21/21 9:48 am
7331 GCEU432143

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 105,220 NET TONS 29.25
Scale Out TARE WEIGHT 46,720 NET WEIGHT 58,500

INBOUND
INVOICE

28.00 YD Tracking QTY
29.25 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832834

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/22/21 7:35 am
5833

4/22/21 7:56 am
GCEU425935

Contract:MC-19267 PO:21AH

DTTX427927

Scale In GROSS WEIGHT 108,000 NET TONS 30.56
Scale Out TARE WEIGHT 46,880 NET WEIGHT 61,120

INBOUND
INVOICE

28.00 YD Tracking QTY
30.56 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832836

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/22/21 7:37 am
1454

4/22/21 7:59 am
TOLU442464

Contract:MC-19267 PO:21AH

DTTX427927

Scale In GROSS WEIGHT 110,900 NET TONS 32.00
Scale Out TARE WEIGHT 46,900 NET WEIGHT 64,000

INBOUND
INVOICE

28.00 YD Tracking QTY
32.00 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832839

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/22/21 7:42 am 4/22/21 8:01 am
5227 GCEU426683

Contract:MC-19267 PO:21AH

BNSF230045

Scale In GROSS WEIGHT 112,100 NET TONS 32.06
Scale Out TARE WEIGHT 47,980 NET WEIGHT 64,120

INBOUND
INVOICE

28.00 YD Tracking QTY
32.06 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832845

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/22/21 7:46 am 4/22/21 8:10 am
5222 EGTU420322

Contract:MC-19267 PO:21AH

BNSF230083

Scale In GROSS WEIGHT 104,500 NET TONS 28.84
Scale Out TARE WEIGHT 46,820 NET WEIGHT 57,680

INBOUND
INVOICE

28.00 YD Tracking QTY
28.84 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832853

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/22/21 8:11 am
2234

4/22/21 8:35 am
TOLU466714

Contract:MC-19267 PO:21AH

DTTX656451

Scale In GROSS WEIGHT 104,040 NET TONS 28.11
Scale Out TARE WEIGHT 47,820 NET WEIGHT 56,220

INBOUND
INVOICE

28.00 YD Tracking QTY
28.11 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4832865

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/22/21 8:29 am
5833

4/22/21 8:50 am
GCEU435343

Contract:MC-19267 PO:21AH

BNSF230080

Scale In GROSS WEIGHT 109,760 NET TONS 31.37
Scale Out TARE WEIGHT 47,020 NET WEIGHT 62,740

INBOUND
INVOICE

28.00 YD Tracking QTY
31.37 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833101

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/24/21 1:21 pm 4/24/21 1:38 pm
7748 GCEU425951

Contract:MC-19267 PO:21AH

BNSF231050

Scale In GROSS WEIGHT 97,060 NET TONS 28.20
Scale Out TARE WEIGHT 40,660 NET WEIGHT 56,400

INBOUND
INVOICE

28.00 YD Tracking QTY
28.20 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833104

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/24/21 2:08 pm 4/24/21 2:22 pm
2234 GCEU425375

Contract:MC-19267 PO:21AH

BNSF231117

Scale In GROSS WEIGHT 97,440 NET TONS 24.34
Scale Out TARE WEIGHT 48,760 NET WEIGHT 48,680

INBOUND
INVOICE

28.00 YD Tracking QTY
24.34 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833105

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/24/21 2:08 pm
7748

4/24/21 2:24 pm
GCEU432088

Contract:MC-19267 PO:21AH

BNSF203011

Scale In GROSS WEIGHT 101,620 NET TONS 28.45
Scale Out TARE WEIGHT 44,720 NET WEIGHT 56,900

INBOUND
INVOICE

28.00 YD Tracking QTY
28.45 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833107

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/24/21 2:19 pm
1565

4/24/21 2:39 pm
GCEU430805

Contract:MC-19267 PO:21AH

DTTX652082

Scale In GROSS WEIGHT 111,260 NET TONS 32.36
Scale Out TARE WEIGHT 46,540 NET WEIGHT 64,720

INBOUND
INVOICE

28.00 YD Tracking QTY
32.36 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833110

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/24/21 2:22 pm
0330

4/24/21 2:48 pm
GCEU426701

Contract:MC-19267 PO:21AH

BNSF230117

Scale In GROSS WEIGHT 107,680 NET TONS 30.10
Scale Out TARE WEIGHT 47,480 NET WEIGHT 60,200

INBOUND
INVOICE

28.00 YD Tracking QTY
30.10 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833108

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/24/21 2:22 pm
7329

4/24/21 2:46 pm
TOLU422718

Contract:MC-19267 PO:21AH

BNSF230117

Scale In GROSS WEIGHT 104,460 NET TONS 28.33
Scale Out TARE WEIGHT 47,800 NET WEIGHT 56,660

INBOUND
INVOICE

28.00 YD Tracking QTY
28.33 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833179

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/27/21 7:57 am
7750

4/27/21 8:16 am
TRLU901215

Contract:MC-19267 PO:21AH

BNSF231179

Scale In GROSS WEIGHT 98,100 NET TONS 25.28
Scale Out TARE WEIGHT 47,540 NET WEIGHT 50,560

INBOUND
INVOICE

28.00 YD Tracking QTY
25.28 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833195

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/27/21 8:24 am
5227

4/27/21 8:49 am
GCEU426879

Contract:MC-19267 PO:21AH

BNSF230040

Scale In GROSS WEIGHT 89,240 NET TONS 20.58
Scale Out TARE WEIGHT 48,080 NET WEIGHT 41,160

INBOUND
INVOICE

28.00 YD Tracking QTY
20.58 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833215

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/27/21 10:55 am
2234

4/27/21 11:10 am
GCEU435506

Contract:MC-19267 PO:21AH

BNSF230117

Scale In GROSS WEIGHT 90,760 NET TONS 21.43
Scale Out TARE WEIGHT 47,900 NET WEIGHT 42,860

INBOUND
INVOICE

28.00 YD Tracking QTY
21.43 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833216

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/27/21 10:57 am
5227

4/27/21 11:18 am
TOLU457766

Contract:MC-19267 PO:21AH

BNSF203011

Scale In GROSS WEIGHT 92,940 NET TONS 23.35
Scale Out TARE WEIGHT 46,240 NET WEIGHT 46,700

INBOUND
INVOICE

28.00 YD Tracking QTY
23.35 tn Cont Soil Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833292

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/27/21 2:13 pm
1565

4/27/21 2:35 pm
TOLU467586

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT 104,940 NET TONS 29.09
Scale Out TARE WEIGHT 46,760 NET WEIGHT 58,180

INBOUND
INVOICE

28.00 YD Tracking QTY
29.09 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833293

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/27/21 2:20 pm
2234

4/27/21 2:39 pm
TRLU900884

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT 96,300 NET TONS 23.68
Scale Out TARE WEIGHT 48,940 NET WEIGHT 47,360

INBOUND
INVOICE

28.00 YD Tracking QTY
23.68 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833359

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 9:18 am 4/28/21 9:34 am
2235 GCEU431190

Contract:MC-19267 PO:21AH

BNSF231050

Scale In GROSS WEIGHT	99,180	NET TONS	26.07	
Scale Out TARE WEIGHT	47,040	NET WEIGHT	52,140	INBOUND INVOICE

28.00	YD	Tracking QTY	
26.07	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833371

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 9:29 am 4/28/21 9:54 am
5833 RBSU200151

Contract:MC-19267 PO:21AH

BNSF231050

Scale In GROSS WEIGHT	106,340	NET TONS	27.57	
Scale Out TARE WEIGHT	51,200	NET WEIGHT	55,140	INBOUND INVOICE

28.00	YD	Tracking QTY	
27.57	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833379

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 10:51 am
2235

4/28/21 11:16 am
RBSU200164

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 99,640 NET TONS 24.59
Scale Out TARE WEIGHT 50,460 NET WEIGHT 49,180

INBOUND
INVOICE

28.00 YD Tracking QTY
24.59 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833387

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 11:04 am
1454

4/28/21 11:25 am
GCEU431545

Contract:MC-19267 PO:21AH

BNSF230058

Scale In GROSS WEIGHT 102,020 NET TONS 26.98
Scale Out TARE WEIGHT 48,060 NET WEIGHT 53,960

INBOUND
INVOICE

28.00 YD Tracking QTY
26.98 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833390

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 11:08 am
5833

4/28/21 11:32 am
RBSU200379

Contract:MC-19267 PO:21AH

BNSF230058

Scale In GROSS WEIGHT	101,320	NET TONS	26.13
Scale Out TARE WEIGHT	49,060	NET WEIGHT	52,260

INBOUND
INVOICE

28.00	YD	Tracking QTY	
26.13	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833392

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 11:15 am
0331

4/28/21 11:35 am
TOLU468514

Contract:MC-19267 PO:21AH

DTX54663

Scale In GROSS WEIGHT	99,120	NET TONS	25.65
Scale Out TARE WEIGHT	47,820	NET WEIGHT	51,300

INBOUND
INVOICE

28.00	YD	Tracking QTY	
25.65	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833404

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 11:48 am
0329

4/28/21 12:09 pm
TPHU252450

Contract:MC-19267 PO:21AH

DTTX646028

Scale In GROSS WEIGHT 93,600 NET TONS 22.57
Scale Out TARE WEIGHT 48,460 NET WEIGHT 45,140

INBOUND
INVOICE

28.00 YD Tracking QTY
22.57 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833424

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 12:40 pm
0329

4/28/21 1:09 pm
AWIU200013

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT 119,100 NET TONS 34.27
Scale Out TARE WEIGHT 50,560 NET WEIGHT 68,540

INBOUND
INVOICE

28.00 YD Tracking QTY
34.27 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833426

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 12:59 pm
0331

4/28/21 1:16 pm
TOLU456493

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT 105,640 NET TONS 29.13
Scale Out TARE WEIGHT 47,380 NET WEIGHT 58,260

INBOUND
INVOICE

28.00 YD Tracking QTY
29.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833433

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 2:01 pm
5833

4/28/21 2:23 pm
TOLU453397

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT 102,740 NET TONS 27.57
Scale Out TARE WEIGHT 47,600 NET WEIGHT 55,140

INBOUND
INVOICE

28.00 YD Tracking QTY
27.57 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833438

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 2:13 pm
1565

4/28/21 2:51 pm
TOLU467726

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT	104,740	NET TONS	27.92
Manual Out TARE WEIGHT	48,900	NET WEIGHT	55,840

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.92	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833435

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 2:17 pm
5227

4/28/21 2:45 pm
GCEU425035

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT	106,120	NET TONS	29.49
Manual Out TARE WEIGHT	47,140	NET WEIGHT	58,980

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.49	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833444

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 2:20 pm
7329

4/28/21 3:13 pm
GCEU432220

Contract:MC-19267 PO:21AH

DTTX27398

Scale In	GROSS WEIGHT	107,540	NET TONS	29.55
Manual Out	TARE WEIGHT	48,440	NET WEIGHT	59,100

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.55	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833437

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 2:31 pm
0330

4/28/21 2:51 pm
GCEU425116

Contract:MC-19267 PO:21AH

DTTX470193

Scale In	GROSS WEIGHT	103,800	NET TONS	28.50
Scale Out	TARE WEIGHT	46,800	NET WEIGHT	57,000

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.50	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833445

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 2:45 pm
5222

4/28/21 3:14 pm
GCEU430285

Contract:MC-19267 PO:21AH

DTTX646317

Scale In GROSS WEIGHT 118,140 NET TONS 36.01
Manual Out TARE WEIGHT 46,120 NET WEIGHT 72,020

INBOUND
INVOICE

28.00 YD Tracking QTY
36.01 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833439

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/28/21 3:09 pm
2234

4/28/21 3:09 pm
TRLU900497

Contract:MC-19267 PO:21AH

BNSF230101

Manual In GROSS WEIGHT 109,620 NET TONS 32.09
Manual Out TARE WEIGHT 45,440 NET WEIGHT 64,180

INBOUND
INVOICE

28.00 YD Tracking QTY
32.09 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833507

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 1:30 pm 4/30/21 1:46 pm
7331 GCEU430259

Contract:MC-19267 PO:21AH

BNSF231146

Scale In GROSS WEIGHT 101,840 NET TONS 27.30
Scale Out TARE WEIGHT 47,240 NET WEIGHT 54,600

INBOUND
INVOICE

28.00 YD Tracking QTY
27.30 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833508

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 1:31 pm 4/30/21 1:58 pm
1565 EGTU420322

Contract:MC-19267 PO:21AH

BNSF231146

Scale In GROSS WEIGHT 104,620 NET TONS 29.07
Scale Out TARE WEIGHT 46,480 NET WEIGHT 58,140

INBOUND
INVOICE

28.00 YD Tracking QTY
29.07 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833509

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 1:41 pm
0330

4/30/21 2:00 pm
TOLU468938

Contract:MC-19267 PO:21AH

BNSF231146

Scale In GROSS WEIGHT 103,040 NET TONS 27.07
Scale Out TARE WEIGHT 48,900 NET WEIGHT 54,140

INBOUND
INVOICE

28.00 YD Tracking QTY
27.07 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833512

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 1:53 pm
5222

4/30/21 2:19 pm
GCEU426683

Contract:MC-19267 PO:21AH

BNSF231100

Scale In GROSS WEIGHT 101,540 NET TONS 26.63
Scale Out TARE WEIGHT 48,280 NET WEIGHT 53,260

INBOUND
INVOICE

28.00 YD Tracking QTY
26.63 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833511

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 1:56 pm 4/30/21 2:14 pm
5226 GCEU425817

Contract:MC-19267 PO:21AH

BNSF231100

Scale In GROSS WEIGHT 99,280 NET TONS 26.03
Scale Out TARE WEIGHT 47,220 NET WEIGHT 52,060

INBOUND
INVOICE

28.00 YD Tracking QTY
26.03 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833515

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 1:59 pm 4/30/21 2:29 pm
0329 GCEU426670

Contract:MC-19267 PO:21AH

BNSF231108

Scale In GROSS WEIGHT 101,740 NET TONS 26.35
Scale Out TARE WEIGHT 49,040 NET WEIGHT 52,700

INBOUND
INVOICE

28.00 YD Tracking QTY
26.35 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833514

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 2:05 pm
5227

4/30/21 2:26 pm
TOLU456879

Contract:MC-19267 PO:21AH

BNSF231108

Scale In GROSS WEIGHT 105,160 NET TONS 27.64
Scale Out TARE WEIGHT 49,880 NET WEIGHT 55,280

INBOUND
INVOICE

28.00 YD Tracking QTY
27.64 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833516

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

4/30/21 2:10 pm
5833

4/30/21 2:46 pm
TOLU468764

Contract:MC-19267 PO:21AH

BNSF231108

Scale In GROSS WEIGHT 96,380 NET TONS 23.55
Scale Out TARE WEIGHT 49,280 NET WEIGHT 47,100

INBOUND
INVOICE

28.00 YD Tracking QTY
23.55 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833594

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/1/21 12:21 pm
2234

5/1/21 12:38 pm
TOLU424173

Contract:MC-19267 PO:21AH

DTTX27616

Scale In GROSS WEIGHT 101,640 NET TONS 27.36
Scale Out TARE WEIGHT 46,920 NET WEIGHT 54,720

INBOUND
INVOICE

28.00 YD Tracking QTY
27.36 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833596

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/1/21 12:48 pm
5227

5/1/21 1:05 pm
TOLU442464

Contract:MC-19267 PO:21AH

DTTX27265

Scale In GROSS WEIGHT 103,000 NET TONS 27.69
Scale Out TARE WEIGHT 47,620 NET WEIGHT 55,380

INBOUND
INVOICE

28.00 YD Tracking QTY
27.69 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833600

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/1/21 1:09 pm

5/1/21 1:57 pm

5222

GCEU430376

Contract:MC-19267 PO:21AH

DTTX646588

Scale In GROSS WEIGHT	100,420	NET TONS	26.36
Scale Out TARE WEIGHT	47,700	NET WEIGHT	52,720

INBOUND
INVOICE

28.00	YD	Tracking QTY	
26.36	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833598

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/1/21 1:32 pm

5/1/21 1:55 pm

5227

AWIU200018

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT	102,840	NET TONS	26.32
Scale Out TARE WEIGHT	50,200	NET WEIGHT	52,640

INBOUND
INVOICE

28.00	YD	Tracking QTY	
26.32	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833601

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/1/21 1:48 pm
2234

5/1/21 2:07 pm
GCEU431745

Contract:MC-19267 PO:21AH

DTTX27398

Scale In GROSS WEIGHT 106,040 NET TONS 29.81
Scale Out TARE WEIGHT 46,420 NET WEIGHT 59,620

INBOUND
INVOICE

28.00 YD Tracking QTY
29.81 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833603

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 9:07 am
5222

5/3/21 9:25 am
TRLU900867

Contract:MC-19267 PO:21AH

DTTX54598

Scale In GROSS WEIGHT 93,040 NET TONS 23.21
Scale Out TARE WEIGHT 46,620 NET WEIGHT 46,420

INBOUND
INVOICE

28.00 YD Tracking QTY
23.21 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833604

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 9:15 am
5227

5/3/21 9:33 am
TOLU453362

Contract:MC-19267 PO:21AH

DTTX54598

Scale In GROSS WEIGHT 102,080 NET TONS 27.44
Scale Out TARE WEIGHT 47,200 NET WEIGHT 54,880

INBOUND
INVOICE

28.00 YD Tracking QTY
27.44 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833605

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 10:44 am
5222

5/3/21 11:06 am
TRLU901016

Contract:MC-19267 PO:21AH

DTTX620616

Scale In GROSS WEIGHT 99,860 NET TONS 26.57
Scale Out TARE WEIGHT 46,720 NET WEIGHT 53,140

INBOUND
INVOICE

28.00 YD Tracking QTY
26.57 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833606

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 10:55 am
5227

5/3/21 11:13 am
TOLU468988

Contract:MC-19267 PO:21AH

DTTX620616

Scale In GROSS WEIGHT 103,520 NET TONS 27.84
Scale Out TARE WEIGHT 47,840 NET WEIGHT 55,680

INBOUND
INVOICE

28.00 YD Tracking QTY
27.84 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833620

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 11:43 am
5227

5/3/21 11:59 am
GCEU426815

Contract:MC-19267 PO:21AH

BNSF231128

Scale In GROSS WEIGHT 97,660 NET TONS 24.03
Scale Out TARE WEIGHT 49,600 NET WEIGHT 48,060

INBOUND
INVOICE

28.00 YD Tracking QTY
24.03 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833640

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 12:22 pm
5222

5/3/21 12:44 pm
GCEU430223

Contract:MC-19267 PO:21AH

BNSF231128

Scale In GROSS WEIGHT 100,120 NET TONS 26.62
Scale Out TARE WEIGHT 46,880 NET WEIGHT 53,240

INBOUND
INVOICE

28.00 YD Tracking QTY
26.62 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833685

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 2:08 pm
5227

5/3/21 2:26 pm
GCEU425935

Contract:MC-19267 PO:21AH

BNSF231160

Scale In GROSS WEIGHT 107,460 NET TONS 30.28
Scale Out TARE WEIGHT 46,900 NET WEIGHT 60,560

INBOUND
INVOICE

28.00 YD Tracking QTY
30.28 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833687

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/3/21 2:53 pm
5227

5/3/21 3:10 pm
GCEU440179

Contract:MC-19267 PO:21AH

BNSF230004

Scale In GROSS WEIGHT 90,320 NET TONS 21.54
Scale Out TARE WEIGHT 47,240 NET WEIGHT 43,080

INBOUND
INVOICE

28.00 YD Tracking QTY
21.54 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833808

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/5/21 6:11 am
2786

5/5/21 6:29 am
GCEU430272

Contract:MC-19267 PO:21AH

DTTX54154

Scale In GROSS WEIGHT 92,660 NET TONS 26.13
Scale Out TARE WEIGHT 40,400 NET WEIGHT 52,260

INBOUND
INVOICE

28.00 YD Tracking QTY
26.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833809

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/5/21 6:40 am
1563

5/5/21 7:00 am
GCEU430450

Contract:MC-19267 PO:21AH

BNSF231166

Scale In GROSS WEIGHT 105,260 NET TONS 30.93
Scale Out TARE WEIGHT 43,400 NET WEIGHT 61,860

INBOUND
INVOICE

28.00 YD Tracking QTY
30.93 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833816

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/5/21 7:49 am
5226

5/5/21 8:03 am
TOLU466537

Contract:MC-19267 PO:21AH

DTTX646028

Scale In GROSS WEIGHT 104,240 NET TONS 30.45
Scale Out TARE WEIGHT 43,340 NET WEIGHT 60,900

INBOUND
INVOICE

28.00 YD Tracking QTY
30.45 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK--:

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833818

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/5/21 8:04 am
1566

5/5/21 8:23 am
GCEU426842

Contract:MC-19267 PO:21AH

DTTX646028

Scale In GROSS WEIGHT 97,320 NET TONS 27.97
Scale Out TARE WEIGHT 41,380 NET WEIGHT 55,940

INBOUND
INVOICE

28.00 YD Tracking QTY
27.97 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833924

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/7/21 6:02 am
5227

5/7/21 6:20 am
GCEU431526

Contract:MC-19267 PO:21AH

BNSF231003

Scale In GROSS WEIGHT 107,480 NET TONS 30.44
Scale Out TARE WEIGHT 46,600 NET WEIGHT 60,880

INBOUND
INVOICE

28.00 YD Tracking QTY
30.44 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833928

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/7/21 6:04 am
5223

5/7/21 6:31 am
GCEU426253

Contract:MC-19267 PO:21AH

BNSF231003

Scale In GROSS WEIGHT 100,020 NET TONS 26.03
Scale Out TARE WEIGHT 47,960 NET WEIGHT 52,060

INBOUND
INVOICE

28.00 YD Tracking QTY
26.03 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833927

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/7/21 6:06 am
0330

5/7/21 6:31 am
GCEU435549

Contract:MC-19267 PO:21AH

BNSF230098

Scale In GROSS WEIGHT 105,960 NET TONS 29.56
Scale Out TARE WEIGHT 46,840 NET WEIGHT 59,120

INBOUND
INVOICE

28.00 YD Tracking QTY
29.56 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833933

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/7/21 6:25 am
2235

5/7/21 6:49 am
TOLU458817

Contract:MC-19267 PO:21AH

BNSF230098

Scale In GROSS WEIGHT 108,100 NET TONS 30.76
Scale Out TARE WEIGHT 46,580 NET WEIGHT 61,520

INBOUND
INVOICE

28.00 YD Tracking QTY
30.76 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4833937

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/7/21 6:35 am
0329

5/7/21 7:02 am
GCEU431554

Contract:MC-19267 PO:21AH

DTTX427927

Scale In GROSS WEIGHT 106,020 NET TONS 28.45
Scale Out TARE WEIGHT 49,120 NET WEIGHT 56,900

INBOUND
INVOICE

28.00 YD Tracking QTY
28.45 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834288

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/11/21 8:43 am 5/11/21 9:13 am
0330 GCEU435545

Contract:MC-19267 PO:21AH

BNSF230080

Scale In GROSS WEIGHT	104,200	NET TONS	28.80
Scale Out TARE WEIGHT	46,600	NET WEIGHT	57,600

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.80	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834313

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/11/21 9:21 am 5/11/21 9:51 am
5223 TRLU900867

Contract:MC-19267 PO:21AH

DTTX27616

Scale In GROSS WEIGHT	107,960	NET TONS	30.48
Scale Out TARE WEIGHT	47,000	NET WEIGHT	60,960

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.48	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK --

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834315

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/11/21 9:32 am 5/11/21 9:53 am
5222 GCEU431745

Contract:MC-19267 PO:21AH

DTTX27616

Scale In GROSS WEIGHT 106,360 NET TONS 29.71
Scale Out TARE WEIGHT 46,940 NET WEIGHT 59,420

INBOUND
INVOICE

28.00 YD Tracking QTY
29.71 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834440

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/12/21 11:57 am 5/12/21 12:19 pm
2234 TOLU442464

Contract:MC-19267 PO:21AH

BNSF230004

Scale In GROSS WEIGHT 118,000 NET TONS 35.72
Scale Out TARE WEIGHT 46,560 NET WEIGHT 71,440

INBOUND
INVOICE

28.00 YD Tracking QTY
35.72 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834439

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/12/21 11:59 am
5227

5/12/21 12:17 pm
TOLU457711

Contract:MC-19267 PO:21AH

BNSF230004

Scale In GROSS WEIGHT 107,240 NET TONS 30.41
Scale Out TARE WEIGHT 46,420 NET WEIGHT 60,820

INBOUND
INVOICE

28.00 YD Tracking QTY
30.41 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834514

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/13/21 3:09 pm
2234

5/13/21 3:26 pm
GCEU430566

Contract:MC-19267 PO:21AH

BNSF231063

Scale In GROSS WEIGHT 102,640 NET TONS 27.98
Scale Out TARE WEIGHT 46,680 NET WEIGHT 55,960

INBOUND
INVOICE

28.00 YD Tracking QTY
27.98 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834515

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/13/21 3:37 pm 5/13/21 3:56 pm
5227 GCEU426328

Contract:MC-19267 PO:21AH

BNSF230137

Scale In GROSS WEIGHT	103,640	NET TONS	28.14	INBOUND
Scale Out TARE WEIGHT	47,360	NET WEIGHT	56,280	INVOICE

28.00	YD	Tracking QTY	
28.14	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834517

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/13/21 3:46 pm 5/13/21 4:13 pm
5223 RBSU200121

Contract:MC-19267 PO:21AH

BNSF230137

Scale In GROSS WEIGHT	108,520	NET TONS	30.36	INBOUND
Scale Out TARE WEIGHT	47,800	NET WEIGHT	60,720	INVOICE

28.00	YD	Tracking QTY	
30.36	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834516

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/13/21 3:54 pm
2235

5/13/21 4:12 pm
GCEU430223

Contract:MC-19267 PO:21AH

DTTX656451

Scale In GROSS WEIGHT	104,320	NET TONS	29.29
Scale Out TARE WEIGHT	45,740	NET WEIGHT	58,580

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.29	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834767

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/17/21 1:04 pm
1454

5/17/21 1:23 pm
TOLU466628

Contract:MC-19267 PO:21AH

BNSF231062

Scale In	GROSS WEIGHT	106,060	NET TONS	29.55
Scale Out	TARE WEIGHT	46,960	NET WEIGHT	59,100

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.55	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834768

Charity H.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/17/21 1:04 pm
7750

5/17/21 1:24 pm
TPHU252450

Contract:MC-19267 PO:21AH

BNSF231100

Scale In	GROSS WEIGHT	106,080	NET TONS	29.00
Scale Out	TARE WEIGHT	48,080	NET WEIGHT	58,000

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.00	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834941

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/18/21 2:17 pm
2234

5/18/21 2:35 pm
TRLU901016

Contract:MC-19267 PO:21AH

BNSF230058

Scale In	GROSS WEIGHT	101,720	NET TONS	27.98
Scale Out	TARE WEIGHT	45,760	NET WEIGHT	55,960

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.98	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834942

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/18/21 2:23 pm
5223

5/18/21 2:53 pm
GCEU440179

Contract:MC-19267 PO:21AH

BNSF230058

Scale In	GROSS WEIGHT	103,580	NET TONS	28.09
Scale Out	TARE WEIGHT	47,400	NET WEIGHT	56,180

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.09	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834943

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/18/21 2:39 pm
5222

5/18/21 3:03 pm
TOLU468988

Contract:MC-19267 PO:21AH

BNSF230058

Scale In	GROSS WEIGHT	107,640	NET TONS	29.96
Scale Out	TARE WEIGHT	47,720	NET WEIGHT	59,920

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.96	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834944

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/18/21 2:42 pm
2235

5/18/21 3:05 pm
TOLU468313

Contract:MC-19267 PO:21AH

BNSF230058

Scale In	GROSS WEIGHT	103,720	NET TONS	28.75
Scale Out	TARE WEIGHT	46,220	NET WEIGHT	57,500

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.75	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834945

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/18/21 2:57 pm
5833

5/18/21 3:14 pm
GCEU435072

Contract:MC-19267 PO:21AH

BNSF230058

Scale In	GROSS WEIGHT	103,120	NET TONS	27.79
Scale Out	TARE WEIGHT	47,540	NET WEIGHT	55,580

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.79	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834993

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/19/21 7:13 am
0329

5/19/21 7:30 am
RBSU200238

Contract:MC-19267 PO:21AH

BNSF231063

Scale In	GROSS WEIGHT	105,360	NET TONS	28.80
Scale Out	TARE WEIGHT	47,760	NET WEIGHT	57,600

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.80	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4834998

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/19/21 7:14 am
5223

5/19/21 7:37 am
TRLU901987

Contract:MC-19267 PO:21AH

BNSF231063

Scale In	GROSS WEIGHT	100,980	NET TONS	27.06
Scale Out	TARE WEIGHT	46,860	NET WEIGHT	54,120

INBOUND
INVOICE

28.00	YD	Tracking QTY	
27.06	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835010

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/19/21 7:34 am
2235

5/19/21 7:54 am
TOLU456277

Contract:MC-19267 PO:21AH

DTTX620758

Scale In	GROSS WEIGHT	102,520	NET TONS	28.16
Scale Out	TARE WEIGHT	46,200	NET WEIGHT	56,320

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.16	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835014

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/19/21 7:49 am

5/19/21 8:05 am

5227

TRLU900694

Contract:MC-19267 PO:21AH

DTTX620758

Scale In	GROSS WEIGHT	102,340	NET TONS	27.78
Scale Out	TARE WEIGHT	46,780	NET WEIGHT	55,560

INBOUND
INVOICE

28.00 YD Tracking QTY
27.78 tn Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835017

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/19/21 7:57 am

5/19/21 8:12 am

0329

TRLU900285

Contract:MC-19267 PO:21AH

DTTX620758

Scale In	GROSS WEIGHT	104,820	NET TONS	28.63
Scale Out	TARE WEIGHT	47,560	NET WEIGHT	57,260

INBOUND
INVOICE

28.00 YD Tracking QTY
28.63 tn Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835029

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/19/21 9:43 am
5223

5/19/21 10:02 am
TRLU900515

Contract:MC-19267 PO:21AH

BNSF230101

Scale In GROSS WEIGHT	105,920	NET TONS	28.99
Scale Out TARE WEIGHT	47,940	NET WEIGHT	57,980

INBOUND
INVOICE

28.00	YD	Tracking QTY
28.99	tn	Cont Soil

Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835071

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/20/21 7:11 am
2234

5/20/21 7:28 am
GCEU425410

Contract:MC-19267 PO:21AH

BNSF231137

Scale In GROSS WEIGHT	107,720	NET TONS	30.10
Scale Out TARE WEIGHT	47,520	NET WEIGHT	60,200

INBOUND
INVOICE

28.00	YD	Tracking QTY
30.10	tn	Cont Soil

Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835092

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/20/21 7:57 am
5223

5/20/21 8:17 am
GCEU435207

Contract:MC-19267 PO:21AH

BNSF230093

Scale In GROSS WEIGHT	104,380	NET TONS	28.98
Scale Out TARE WEIGHT	46,420	NET WEIGHT	57,960

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.98	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835093

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/20/21 8:00 am
2234

5/20/21 8:18 am
TRLU901855

Contract:MC-19267 PO:21AH

BNSF230093

Scale In GROSS WEIGHT	109,260	NET TONS	31.33
Scale Out TARE WEIGHT	46,600	NET WEIGHT	62,660

INBOUND
INVOICE

28.00	YD	Tracking QTY	
31.33	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835096

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/20/21 9:30 am
2235

5/20/21 9:49 am
GCEU431837

Contract:MC-19267 PO:21AH

BNSF230102

Scale In	GROSS WEIGHT	100,000	NET TONS	25.69
Scale Out	TARE WEIGHT	48,620	NET WEIGHT	51,380

INBOUND
INVOICE

28.00	YD	Tracking QTY	
25.69	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835189

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 6:48 am
2234

5/22/21 7:04 am
GCEU425789

Contract:MC-19267 PO:21AH

BNSF231068

Scale In	GROSS WEIGHT	107,880	NET TONS	30.54
Scale Out	TARE WEIGHT	46,800	NET WEIGHT	61,080

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.54	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835190

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 6:54 am
5227

5/22/21 7:10 am
TOLU442464

Contract:MC-19267 PO:21AH

BNSF230027

Scale In GROSS WEIGHT	105,620	NET TONS	29.25
Scale Out TARE WEIGHT	47,120	NET WEIGHT	58,500

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.25	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835192

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 6:55 am
5223

5/22/21 7:16 am
TOLU457711

Contract:MC-19267 PO:21AH

BNSF230027

Scale In GROSS WEIGHT	108,280	NET TONS	30.69
Scale Out TARE WEIGHT	46,900	NET WEIGHT	61,380

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.69	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835202

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 7:31 am
0329

5/22/21 8:04 am
UPCU411583

Contract:MC-19267 PO:21AH

DTTX656451

Scale In GROSS WEIGHT	106,560	NET TONS	29.93
Scale Out TARE WEIGHT	46,700	NET WEIGHT	59,860

INBOUND
INVOICE

28.00	YD	Tracking QTY	
29.93	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835207

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 7:47 am
5223

5/22/21 8:13 am
TOLU466742

Contract:MC-19267 PO:21AH

BNSF230058

Scale In GROSS WEIGHT	108,880	NET TONS	30.06
Scale Out TARE WEIGHT	48,760	NET WEIGHT	60,120

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.06	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835215

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 8:20 am
5833

5/22/21 8:37 am
TOLU468379

Contract:MC-19267 PO:21AH

BNSF230058

Scale In GROSS WEIGHT 107,160 NET TONS 28.51
Scale Out TARE WEIGHT 50,140 NET WEIGHT 57,020

INBOUND
INVOICE

28.00 YD Tracking QTY
28.51 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835247

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 9:09 am
5833

5/22/21 9:32 am
GCEU430450

Contract:MC-19267 PO:21AH

BNSF230129

Scale In GROSS WEIGHT 115,040 NET TONS 33.63
Scale Out TARE WEIGHT 47,780 NET WEIGHT 67,260

INBOUND
INVOICE

28.00 YD Tracking QTY
33.63 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835256

Denise B.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/22/21 9:24 am
0329

5/22/21 9:44 am
TOLU459498

Contract:MC-19267 PO:21AH

BNSF230129

Scale In GROSS WEIGHT 106,240 NET TONS 29.42
Scale Out TARE WEIGHT 47,400 NET WEIGHT 58,840

INBOUND
INVOICE

28.00 YD Tracking QTY
29.42 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835523

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 2:21 pm
0329

5/25/21 2:39 pm
TRLU902854

Contract:MC-19267 PO:21AH

BNSF231137

Scale In GROSS WEIGHT 110,420 NET TONS 31.13
Scale Out TARE WEIGHT 48,160 NET WEIGHT 62,260

INBOUND
INVOICE

28.00 YD Tracking QTY
31.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835530

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 2:27 pm
5223

5/25/21 2:51 pm
GCEU425906

Contract:MC-19267 PO:21AH

DTTX620686

Scale In GROSS WEIGHT 107,800 NET TONS 29.13
Scale Out TARE WEIGHT 49,540 NET WEIGHT 58,260

INBOUND
INVOICE

28.00 YD Tracking QTY
29.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835541

IN - Tiffany O. OUT - David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 2:50 pm
5833

5/25/21 3:07 pm
TOLU466610

Contract:MC-19267 PO:21AH

DTTX620686

Scale In GROSS WEIGHT 115,520 NET TONS 32.13
Scale Out TARE WEIGHT 51,260 NET WEIGHT 64,260

INBOUND
INVOICE

28.00 YD Tracking QTY
32.13 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835551

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 3:06 pm
2235

5/25/21 3:25 pm
TOLU459921

Contract:MC-19267 PO:21AH

BNSF230080

Scale In GROSS WEIGHT 109,880 NET TONS 31.85
Scale Out TARE WEIGHT 46,180 NET WEIGHT 63,700

INBOUND
INVOICE

28.00 YD Tracking QTY
31.85 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835553

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 3:08 pm
5227

5/25/21 3:27 pm
GCEU426563

Contract:MC-19267 PO:21AH

BNSF230080

Scale In GROSS WEIGHT 113,220 NET TONS 33.23
Scale Out TARE WEIGHT 46,760 NET WEIGHT 66,460

INBOUND
INVOICE

28.00 YD Tracking QTY
33.23 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835556

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 3:16 pm
0331

5/25/21 3:36 pm
GCEU426056

Contract:MC-19267 PO:21AH

DTTX54154

Scale In GROSS WEIGHT 114,280 NET TONS 33.23
Scale Out TARE WEIGHT 47,820 NET WEIGHT 66,460

INBOUND
INVOICE

28.00 YD Tracking QTY
33.23 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835559

David N.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/25/21 3:24 pm
5223

5/25/21 3:44 pm
GCEU430532

Contract:MC-19267 PO:21AH

DTTX54154

Scale In GROSS WEIGHT 111,300 NET TONS 31.19
Scale Out TARE WEIGHT 48,920 NET WEIGHT 62,380

INBOUND
INVOICE

28.00 YD Tracking QTY
31.19 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835565

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 11:17 am
2234

5/26/21 11:38 am
TOLU453454

Contract:MC-19267 PO:21AH

BNSF231053

Scale In GROSS WEIGHT 107,460 NET TONS 30.58
Scale Out TARE WEIGHT 46,300 NET WEIGHT 61,160

INBOUND
INVOICE

28.00 YD Tracking QTY
30.58 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835566

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 11:27 am
1565

5/26/21 11:44 am
GCEU435343

Contract:MC-19267 PO:21AH

BNSF231053

Scale In GROSS WEIGHT 106,880 NET TONS 29.68
Scale Out TARE WEIGHT 47,520 NET WEIGHT 59,360

INBOUND
INVOICE

28.00 YD Tracking QTY
29.68 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835570

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 11:51 am

5/26/21 12:18 pm

1454

RBSU200164

Contract:MC-19267 PO:21AH

BNSF230080

Scale In	GROSS WEIGHT	102,320	NET TONS	25.94
Scale Out	TARE WEIGHT	50,440	NET WEIGHT	51,880

INBOUND
INVOICE

28.00	YD	Tracking QTY
25.94	tn	Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835572

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 12:02 pm

5/26/21 12:26 pm

0329

GCEU431554

Contract:MC-19267 PO:21AH

DTTX27616

Scale In	GROSS WEIGHT	99,760	NET TONS	25.17
Scale Out	TARE WEIGHT	49,420	NET WEIGHT	50,340

INBOUND
INVOICE

28.00	YD	Tracking QTY
25.17	tn	Cont Soil

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835579

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 12:07 pm
2234

5/26/21 1:06 pm
TOLU456030

Contract:MC-19267 PO:21AH

DTTX27616

Scale In GROSS WEIGHT 100,780 NET TONS 27.08
Scale Out TARE WEIGHT 46,620 NET WEIGHT 54,160

INBOUND
INVOICE

28.00 YD Tracking QTY
27.08 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835582

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 12:58 pm
5223

5/26/21 1:19 pm
TOLU467641

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 103,200 NET TONS 27.40
Scale Out TARE WEIGHT 48,400 NET WEIGHT 54,800

INBOUND
INVOICE

28.00 YD Tracking QTY
27.40 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835583

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 1:04 pm
0330

5/26/21 1:20 pm
TOLU468969

Contract:MC-19267 PO:21AH

DTTX620252

Scale In GROSS WEIGHT 102,420 NET TONS 26.88
Scale Out TARE WEIGHT 48,660 NET WEIGHT 53,760

INBOUND
INVOICE

28.00 YD Tracking QTY
26.88 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835587

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 1:51 pm
5227

5/26/21 2:08 pm
TOLU469318

Contract:MC-19267 PO:21AH

BNSF231160

Scale In GROSS WEIGHT 103,200 NET TONS 27.86
Scale Out TARE WEIGHT 47,480 NET WEIGHT 55,720

INBOUND
INVOICE

28.00 YD Tracking QTY
27.86 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835588

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 1:52 pm

5/26/21 2:13 pm

5223

GCEU425935

Contract:MC-19267 PO:21AH

BNSF231160

Scale In GROSS WEIGHT	105,080	NET TONS	28.86
Scale Out TARE WEIGHT	47,360	NET WEIGHT	57,720

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.86	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835589

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 1:55 pm

5/26/21 2:14 pm

0330

GCEU425315

Contract:MC-19267 PO:21AH

BNSF231160

Scale In GROSS WEIGHT	104,400	NET TONS	28.12
Scale Out TARE WEIGHT	48,160	NET WEIGHT	56,240

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.12	tn	Cont Soil	Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4835591

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

5/26/21 2:02 pm
1565

5/26/21 2:30 pm
TOLU459910

Contract:MC-19267 PO:21AH

BNSF231160

Scale In	GROSS WEIGHT	103,260	NET TONS	27.86
Scale Out	TARE WEIGHT	47,540	NET WEIGHT	55,720

INBOUND
INVOICE

28.00	YD	Tracking	QTY
27.86	tn	Cont Soil	

Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836076

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 7:53 am
7750

6/2/21 8:14 am
TOLU457207

Contract:MC-19267 PO:21AH

BNSF231179

Scale In GROSS WEIGHT 111,180 NET TONS 30.54
Scale Out TARE WEIGHT 50,100 NET WEIGHT 61,080

INBOUND
INVOICE

28.00 YD Tracking QTY
30.54 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836081

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 8:37 am
1453

6/2/21 9:03 am
TOLU466718

Contract:MC-19267 PO:21AH

DTTX620322

Scale In GROSS WEIGHT 105,100 NET TONS 32.34
Scale Out TARE WEIGHT 40,420 NET WEIGHT 64,680

INBOUND
INVOICE

28.00 YD Tracking QTY
32.34 tn Cont Soil Origin:Everett 100%

CHANGE:
CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836079

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 8:38 am
0329

6/2/21 8:56 am
TOLU469235

Contract:MC-19267 PO:21AH

DTTX620322

Scale In GROSS WEIGHT	113,100	NET TONS	32.40
Scale Out TARE WEIGHT	48,300	NET WEIGHT	64,800

INBOUND
INVOICE

28.00	YD	Tracking QTY	
32.40	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836083

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 8:46 am
7750

6/2/21 9:08 am
GCEU425014

Contract:MC-19267 PO:21AH

DTTX456604

Scale In GROSS WEIGHT	104,200	NET TONS	28.69
Scale Out TARE WEIGHT	46,820	NET WEIGHT	57,380

INBOUND
INVOICE

28.00	YD	Tracking QTY	
28.69	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836085

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 8:46 am
5225

6/2/21 9:13 am
GCEU432127

Contract:MC-19267 PO:21AH

DTTX456604

Scale In GROSS WEIGHT	104,720	NET TONS	31.14
Scale Out TARE WEIGHT	42,440	NET WEIGHT	62,280

INBOUND
INVOICE

28.00	YD	Tracking QTY	
31.14	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836086

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 8:48 am
1567

6/2/21 9:13 am
TOLU466807

Contract:MC-19267 PO:21AH

BNSF231062

Scale In GROSS WEIGHT	101,060	NET TONS	30.07
Scale Out TARE WEIGHT	40,920	NET WEIGHT	60,140

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.07	tn	Cont Soil	Origin:Everett 100%

CHANGE:

CHECK :

Everett Incl. Snohomish County --
WA ROOSEVELT , WA

2A

4836088

Tiffany O.

014209 - Strider Construction Co. Inc.
4721 Northwest Road
Bellingham, WA 98225

6/2/21 9:02 am
5226

6/2/21 9:21 am
GCEU432123

Contract:MC-19267 PO:21AH

BNSF231062

Scale In GROSS WEIGHT	107,260	NET TONS	30.17
Scale Out TARE WEIGHT	46,920	NET WEIGHT	60,340

INBOUND
INVOICE

28.00	YD	Tracking QTY	
30.17	tn	Cont Soil	Origin:Everett 100%

CHANGE :

CHECK :

Import Fill Material Analytical Data

Mandan Pit Gravel Borrow



April 26, 2021

Mr. Jeff Van Beek
Cowden Gravel & Ready Mix
3463 Cedarville Rd,
Bellingham, WA 98226

Dear Mr. Van Beek,

On April 21st, 3 samples were received by our laboratory and assigned our laboratory project number EV21040110. The project was identified as your Mandan Gravel Borrow. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040110
CLIENT PROJECT:	Mandan Gravel Borrow	ALS SAMPLE#:	EV21040110-01
CLIENT SAMPLE ID:	Gravel Borrow	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/20/2021 1:32:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Mercury	EPA-7471	0.046	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.7	0.20	1	MG/KG	04/22/2021	RAL
Barium	EPA-6020	72	0.10	1	MG/KG	04/22/2021	RAL
Cadmium	EPA-6020	0.11	0.10	1	MG/KG	04/22/2021	RAL
Chromium	EPA-6020	37	0.10	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	3.7	0.10	1	MG/KG	04/22/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/22/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	80.8	04/22/2021	KLS
C25	NWTPH-DX	94.0	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040110
CLIENT PROJECT:	Mandan Gravel Borrow	ALS SAMPLE#:	EV21040110-02
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 9:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Mercury	EPA-7471	0.047	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.9	0.20	1	MG/KG	04/22/2021	RAL
Barium	EPA-6020	78	0.10	1	MG/KG	04/22/2021	RAL
Cadmium	EPA-6020	0.11	0.10	1	MG/KG	04/22/2021	RAL
Chromium	EPA-6020	40	0.10	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	3.8	0.10	1	MG/KG	04/22/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/22/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	83.1	04/22/2021	KLS
C25	NWTPH-DX	105	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040110
CLIENT PROJECT:	Mandan Gravel Borrow	ALS SAMPLE#:	EV21040110-03
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 11:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Mercury	EPA-7471	0.050	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.5	0.20	1	MG/KG	04/22/2021	RAL
Barium	EPA-6020	82	0.10	1	MG/KG	04/22/2021	RAL
Cadmium	EPA-6020	0.11	0.10	1	MG/KG	04/22/2021	RAL
Chromium	EPA-6020	40	0.10	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	3.6	0.10	1	MG/KG	04/22/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/22/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	86.0	04/22/2021	KLS
C25	NWTPH-DX	93.3	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Cowden Gravel & Ready Mix
 3463 Cedarville Rd,
 Bellingham, WA 98226

DATE: 4/26/2021
 ALS SDG#: EV21040110
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Jeff Van Beek
 CLIENT PROJECT: Mandan Gravel Borrow

LABORATORY BLANK RESULTS

MBG-042121S2 - Batch 164977 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	04/21/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042221S - Batch 164985 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R382399 - Batch R382399 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	04/26/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042121S - Batch 164936 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	04/21/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/21/2021	RAL
Barium	EPA-6020	U	MG/KG	0.12	04/21/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Chromium	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	04/21/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS SDG#:	EV21040110
CLIENT PROJECT:	Mandan Gravel Borrow	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164977 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	93.2			66.5	122.7	04/21/2021	KLS
TPH-Volatile Range - BSD	NWTPH-GX	93.5	0		66.5	122.7	04/21/2021	KLS

ALS Test Batch ID: 164985 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	117			75.5	122.1	04/22/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	99.4	16	SR1	75.5	122.1	04/22/2021	JNF

SR1 - RPD outside of control limits.

ALS Test Batch ID: R382399 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	109			81.8	117	04/26/2021	RAL
Mercury - BSD	EPA-7471	105	4		81.8	117	04/26/2021	RAL

ALS Test Batch ID: 164936 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	105			80	120	04/21/2021	RAL
Antimony - BSD	EPA-6020	108	3		80	120	04/21/2021	RAL
Arsenic - BS	EPA-6020	100			80	120	04/21/2021	RAL
Arsenic - BSD	EPA-6020	101	1		80	120	04/21/2021	RAL
Barium - BS	EPA-6020	105			80	120	04/21/2021	RAL
Barium - BSD	EPA-6020	107	2		80	120	04/21/2021	RAL
Cadmium - BS	EPA-6020	111			80	120	04/21/2021	RAL
Cadmium - BSD	EPA-6020	112	1		80	120	04/21/2021	RAL
Chromium - BS	EPA-6020	103			80	120	04/21/2021	RAL
Chromium - BSD	EPA-6020	104	1		80	120	04/21/2021	RAL
Lead - BS	EPA-6020	99.4			80	120	04/21/2021	RAL
Lead - BSD	EPA-6020	102	3		80	120	04/21/2021	RAL
Selenium - BS	EPA-6020	102			80	120	04/21/2021	RAL
Selenium - BSD	EPA-6020	104	2		80	120	04/21/2021	RAL
Silver - BS	EPA-6020	111			80	120	04/21/2021	RAL
Silver - BSD	EPA-6020	114	3		80	120	04/21/2021	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV 21040110

Date 4/21 Page 1 Of 1

PROJECT ID: REPORT TO COMPANY:	ANALYSIS REQUESTED				OTHER (Specify)																														
	PROJECT MANAGER:	ADDRESS:	PHONE:	E-MAIL:	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	PH Pol.	TAL	Metals-Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?						
PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: E-MAIL: INVOICE TO COMPANY: ATTENTION: ADDRESS:	Mandana Gravel Barrow Cowden Inc Jeff VanBeek/Elise Gronewald 3463 Cedarville Rd. Bellingham WA, 98226 360-746-4428 P.O.# Ameron/Hubert jeff@cowdeninc.com Part of Everett Elise Gronewald																																		
1. Gravel Barrow		4/20	11:32	S	1	XX																													
2. Gravel Barrow		4/21	9:45	S	2	II																													
3. Gravel Barrow		4/21	11:15	S	3																														
4.																																			
5.																																			
6.																																			
7.																																			
8.																																			
9.																																			
10.																																			

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature] Cowden Inc 4/21
 Received By: [Signature] ALS 4/21/2013 25
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 OTHER:
 Specify: _____
 10 Standard
 5
 2
 1
 SAME DAY
 5 Standard
 1
 1
 SAME DAY

*Turnaround request less than standard may incur Rush Charges



April 27, 2021

Mr. Jeff Van Beek
Cowden Gravel & Ready Mix
3463 Cedarville Rd,
Bellingham, WA 98226

Dear Mr. Van Beek,

On April 22nd, 3 samples were received by our laboratory and assigned our laboratory project number EV21040121. The project was identified as your Mandan Pit / Gravel Borrow. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040121
CLIENT PROJECT:	Mandan Pit / Gravel Borrow	ALS SAMPLE#:	EV21040121-01
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/22/2021
		COLLECTION DATE:	4/22/2021 9:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/26/2021	JNF
Mercury	EPA-7471	0.049	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.20	1	MG/KG	04/26/2021	RAL
Arsenic	EPA-6020	4.2	0.20	1	MG/KG	04/26/2021	RAL
Barium	EPA-6020	69	0.10	1	MG/KG	04/26/2021	RAL
Cadmium	EPA-6020	0.11	0.10	1	MG/KG	04/26/2021	RAL
Chromium	EPA-6020	38	0.10	1	MG/KG	04/26/2021	RAL
Lead	EPA-6020	3.6	0.10	1	MG/KG	04/26/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/26/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/26/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
TFT	NWTPH-GX	95.3	04/23/2021	KLS
C25	NWTPH-DX	113	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040121
CLIENT PROJECT:	Mandan Pit / Gravel Borrow	ALS SAMPLE#:	EV21040121-02
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/22/2021
		COLLECTION DATE:	4/22/2021 10:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/26/2021	JNF
Mercury	EPA-7471	0.071	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.20	1	MG/KG	04/26/2021	RAL
Arsenic	EPA-6020	4.5	0.20	1	MG/KG	04/26/2021	RAL
Barium	EPA-6020	73	0.10	1	MG/KG	04/26/2021	RAL
Cadmium	EPA-6020	0.11	0.10	1	MG/KG	04/26/2021	RAL
Chromium	EPA-6020	38	0.10	1	MG/KG	04/26/2021	RAL
Lead	EPA-6020	3.7	0.10	1	MG/KG	04/26/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/26/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/26/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	98.0	04/23/2021	KLS
C25	NWTPH-DX	102	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040121
CLIENT PROJECT:	Mandan Pit / Gravel Borrow	ALS SAMPLE#:	EV21040121-03
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/22/2021
		COLLECTION DATE:	4/22/2021 11:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/26/2021	JNF
Mercury	EPA-7471	0.068	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.20	1	MG/KG	04/26/2021	RAL
Arsenic	EPA-6020	4.6	0.20	1	MG/KG	04/26/2021	RAL
Barium	EPA-6020	84	0.10	1	MG/KG	04/26/2021	RAL
Cadmium	EPA-6020	0.14	0.10	1	MG/KG	04/26/2021	RAL
Chromium	EPA-6020	47	0.10	1	MG/KG	04/26/2021	RAL
Lead	EPA-6020	4.3	0.10	1	MG/KG	04/26/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/26/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/26/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	95.3	04/23/2021	KLS
C25	NWTPH-DX	105	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS SDG#:	EV21040121
CLIENT PROJECT:	Mandan Pit / Gravel Borrow	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042321S - Batch 165037 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	04/23/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042621S - Batch 165143 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R382399 - Batch R382399 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	04/26/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042621S - Batch 165095 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.20	04/26/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/26/2021	RAL
Barium	EPA-6020	U	MG/KG	0.12	04/26/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL
Chromium	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	04/26/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Cowden Gravel & Ready Mix
 3463 Cedarville Rd,
 Bellingham, WA 98226

CLIENT CONTACT: Jeff Van Beek
 CLIENT PROJECT: Mandan Pit / Gravel Borrow

DATE: 4/27/2021
 ALS SDG#: EV21040121
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165037 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	91.1			66.5	122.7	04/23/2021	KLS
TPH-Volatile Range - BSD	NWTPH-GX	91.4	0		66.5	122.7	04/23/2021	KLS

ALS Test Batch ID: 165143 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	87.6			75.5	122.1	04/26/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	96.5	10		75.5	122.1	04/26/2021	JNF

ALS Test Batch ID: R382399 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	109			81.8	117	04/26/2021	RAL
Mercury - BSD	EPA-7471	105	4		81.8	117	04/26/2021	RAL

ALS Test Batch ID: 165095 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	94.1			80	120	04/26/2021	RAL
Antimony - BSD	EPA-6020	94.8	1		80	120	04/26/2021	RAL
Arsenic - BS	EPA-6020	97.1			80	120	04/26/2021	RAL
Arsenic - BSD	EPA-6020	96.6	1		80	120	04/26/2021	RAL
Barium - BS	EPA-6020	99.3			80	120	04/26/2021	RAL
Barium - BSD	EPA-6020	100	1		80	120	04/26/2021	RAL
Cadmium - BS	EPA-6020	103			80	120	04/26/2021	RAL
Cadmium - BSD	EPA-6020	103	0		80	120	04/26/2021	RAL
Chromium - BS	EPA-6020	97.6			80	120	04/26/2021	RAL
Chromium - BSD	EPA-6020	96.8	1		80	120	04/26/2021	RAL
Lead - BS	EPA-6020	94.1			80	120	04/26/2021	RAL
Lead - BSD	EPA-6020	95.0	1		80	120	04/26/2021	RAL
Selenium - BS	EPA-6020	97.9			80	120	04/26/2021	RAL
Selenium - BSD	EPA-6020	98.1	0		80	120	04/26/2021	RAL
Silver - BS	EPA-6020	99.0			80	120	04/26/2021	RAL
Silver - BSD	EPA-6020	98.9	0		80	120	04/26/2021	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

A&B/Mission Gravel Borrow



4721 Northwest Road
 Bellingham W, 98226
 (360) 380-1234/ Fax (360) 380-3456

SUBMITTAL TRANSMITTAL

Project: _____

Date: _____

Attn.: _____

Submittal No.: _____

List of Items Attached:

- | | |
|---------------------------------------|---|
| <input type="checkbox"/> Submittals | <input type="checkbox"/> Shop Drawings |
| <input type="checkbox"/> Product/Data | <input type="checkbox"/> Plans/Specifications |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Other: _____ |

Bid Item	Reference	Description	Acceptance Code

These are transmitted as checked below:

- | | | |
|---|---|---|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> Approved as Submitted | <input type="checkbox"/> Submit copies for Distribution |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> For your Records |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Return for Corrections | <input type="checkbox"/> For Signature |
| <input type="checkbox"/> For review and Comment | <input type="checkbox"/> Revise and Resubmit | <input type="checkbox"/> Other: _____ |

Remarks _____

<i>For Use By Architect/Engineer</i>	
Acceptance Action Codes 1. NO EXCEPTIONS TAKEN 2. REVISE AND RESUBMIT 3. MAKE CORRECTIONS NOTED 4. REJECTED – SEE REMARKS	BY: _____ DATE: _____

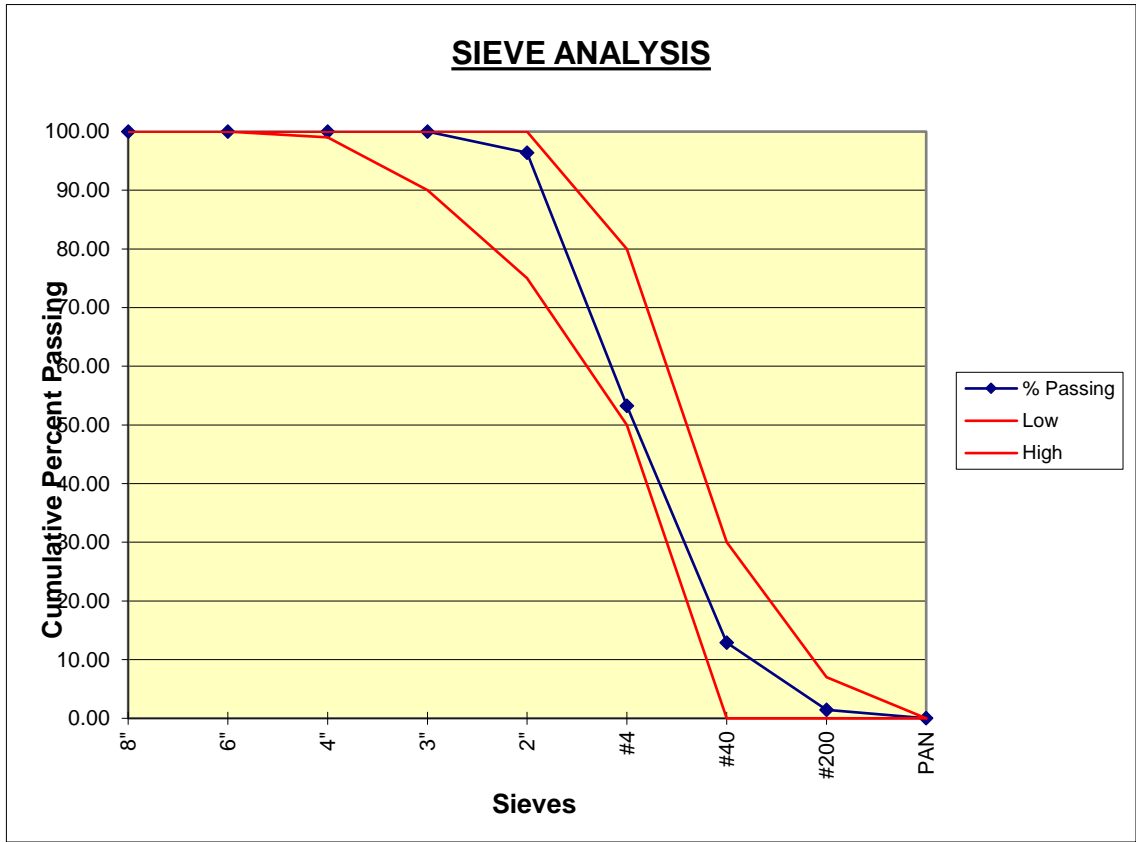
Gravel Borrow



A & B Pit

Sample: **Gravel Borrow**
Date: **April 13th, 2021**

Sieve	Weight Retained	Percent Retained	Cumulative % Retained	Cumulative % Passing	Pitrun Gravel Base Gravel Base 9-03.10	
					Low	High
8"	0.0	0.00	0.00	100.00	100	100
6"	0.0	0.00	0.00	100.00	100	100
4"	0.0	0.00	0.00	100.00	99	100
3"	0.0	0.00	0.00	100.00	90	100
2"	480.0	3.62	3.62	96.38	75	100
#4	5717.0	43.11	46.73	53.27	50	80
#40	5355.0	40.38	87.11	12.89	0	30
#200	1516.0	11.43	98.54	1.46	0	7
PAN	194.0	1.46	100.00	0.00		
Total	13262.0				Sand Equivalent 62% - Dust Ratio .113	





**Washington State
Department of Transportation**

State Materials Laboratory
1655 S 2nd Ave SW
Tumwater, WA 98512-6951
360-709-5400 / FAX: 360-709-5585
TTY: 1-800-833-6388
www.wsdot.wa.gov

March 4, 2020

Ethan Clayton
Granite Construction, Inc.
18208 SE 1st St.
Vancouver, WA 98684
(360) 604-7624

Re: Preliminary Source Evaluation, ASA2020013

Mr. Clayton,

This letter is to inform you that WSDOT has completed preliminary testing on the samples taken from the site designated as PS-F-198 in Whatcom County, Washington. The samples tested passed the minimum requirements for Mineral Aggregate applications as indicated in Section 9-03 of the 2020 Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge, and Municipal Construction.

The enclosed Aggregate Source Approval (ASA) Report lists specific approved uses for the aggregates from this site, as well as the approval expiration dates. The ASA database is available on the Internet at: <http://www.wsdot.wa.gov/biz/mats/asa/asaSearch.cfm>

The reports and all backup data will remain on file at the WSDOT Materials Laboratory. If there are any questions concerning this matter, please contact Zach Kane at (360) 709-5444.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Pat Norton'.

Pat Norton
Assistant Materials Quality Assurance Engineer

PN:zk
Enclosure

Aggregate Source Approval Report

Owner: Bureau of Indian Affairs, Puget Sound Agency

Aggregate Source: PS-F -198

Lessee: Granite Construction, Co.

Known as: Mission Pit

Located in: SW1/4NW1/4 Section 7 T39N R4E

County: Whatcom

Remarks:

Mineral Agg. and Surfacing:

Test Date: 03/02/2020

Expiration Date: 03/02/2021

Absorption: 0.79

Apparent Sp. G.: 2.748

Bulk Sp. G. (SSD): 2.711

Bulk Sp. G.: 2.69

Deg: 42

LA: 14

Remarks:

Currently approved as a source of aggregate for:

ATB	Ballast	BST Crushed Cover Stone
BST Crushed Screenings	Crushed Surfacing Base Course	Crushed Surfacing Key Stone
Crushed Surfacing Top Course	Gravel Backfill for Foundation Class A	HMA Other Courses
HMA Wearing Course	Maintenance Rock	Permeable Ballast

Acceptance tests need to be performed as necessary.

Aggregates for Concrete:

Test Date: 08/20/2018

Expiration Date: 08/20/2023

ASR - 14 Day : 0.39

ASR - One Year: 0.028

CCA Absorption: 0.94

CCA Sp.G: 2.691

Deg: 60

FCA Absorption: 2.68

FCA Organics: 2

FCA Sp. G: 2.634

LA: 15

Remarks: 1 Year ASR results expire 8/15/2024

Currently approved for:

Coarse Concrete Aggregates

Fine Concrete Aggregates

Acceptance tests need to be performed as necessary Acceptance tests need to be performed as necessary

Riprap, Quarry Spalls, Rock for Rock Wall, Erosion and Scour Protection:

Test Date:

Expiration Date:

Absorption:

Apparent Sp. G.:

Bulk Sp. G. (SSD):

Bulk Sp. G.:

Deg:

LA:

Remarks:

NOT Approved for:

Quarry Spalls	Riprap	Rock for Erosion and Scour Protection
Rock for Rock Walls	Stone 9-27.3(6)	

Streambed Aggregates:

Test Date: 10/31/2019

Expiration Date: 10/31/2024

Absorption: 1.12

Apparent Sp. G.: 2.754

Bulk Sp. G. (SSD): 2.701

Bulk Sp. G.: 2.671

Deg: 29

LA: 17

Remarks:

Currently Approved for:

Streambed Aggregate

Gravel Borrow for Structural Earth Walls:

Test Date: 10/31/2019

Expiration Date: 10/31/2024

Bulk Sp. G. (SSD): 2.701

Deg: 29

LA: 17

Remarks: For geosynthetic reinforcement, the gravel borrow shall be tested for pH prior to placement. For metallic reinforcement, the gravel borrow shall be tested for pH, resistivity, chlorides, and sulfates prior to placement. If the resistivity of the backfill material equals or exceeds 5,000 ohm-cm, the specified chloride and sulfate limits may be waived. If the aggregate source has variable quality, additional testing may be required. Contact the Regional Materials Engineer or the State Geotechnical Engineer for direction.

Currently Approved for:

Gravel Borrow for Str Earth Walls

ALL OTHER PIT RUN MATERIALS:

Project Engineer may request preliminary samples but Aggregate Source Approval is not required.

AGGREGATE MATERIALS NOT REQUIRING ASA APPROVAL :

Aggregate for Gravel Base 9-03.10

Gravel Backfill for Foundation Class B 9-03.12(1)B

Gravel Backfill for Walls 9-03.12(2)

Gravel Backfill for Pipe Zone Bedding 9-03.12(3)

Gravel Backfill for Drains 9-03.12(4)

Gravel Backfill for Drywells 9-03.12(5)

Backfill for Sand Drains 9-03.13

Sand Drainage Blanket 9-03.13(1)

Gravel Borrow 9-03.14(1)

Select Borrow 9-03.14(2)

Common Borrow 9-03.14(3)

Native Material for Trench Backfill 9-03.15

Foundation Material Class A and B 9-03.17

Foundation Material Class C 9-03.18

Bank Run Gravel for Trench Backfill 9-03.19

Commercial Concrete Aggregate 6-02.3(2)B



April 19, 2021

Mr. Jeff Van Beek
Cowden Gravel & Ready Mix
3463 Cedarville Rd,
Bellingham, WA 98226

Dear Mr. Van Beek,

On April 15th, 3 samples were received by our laboratory and assigned our laboratory project number EV21040078. The project was identified as your Port of Everett. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/19/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040078
CLIENT PROJECT:	Port of Everett	ALS SAMPLE#:	EV21040078-01
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/15/2021
		COLLECTION DATE:	4/15/2021 2:35:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/16/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/16/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/16/2021	JNF
Mercury	EPA-7471	0.027	0.020	1	MG/KG	04/16/2021	RAL
Antimony	EPA-6020	U	0.10	1	MG/KG	04/16/2021	RAL
Arsenic	EPA-6020	3.3	0.20	1	MG/KG	04/16/2021	RAL
Barium	EPA-6020	86	0.10	1	MG/KG	04/16/2021	RAL
Cadmium	EPA-6020	0.26	0.10	1	MG/KG	04/16/2021	RAL
Chromium	EPA-6020	15	0.10	1	MG/KG	04/16/2021	RAL
Lead	EPA-6020	3.4	0.10	1	MG/KG	04/16/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/16/2021	RAL
Silver	EPA-6020	0.14	0.10	1	MG/KG	04/16/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
TFT	NWTPH-GX	87.6	04/16/2021	KLS
C25	NWTPH-DX	93.2	04/16/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/19/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040078
CLIENT PROJECT:	Port of Everett	ALS SAMPLE#:	EV21040078-02
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/15/2021
		COLLECTION DATE:	4/15/2021 2:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/16/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/16/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/16/2021	JNF
Mercury	EPA-7471	0.029	0.020	1	MG/KG	04/16/2021	RAL
Antimony	EPA-6020	0.13	0.10	1	MG/KG	04/16/2021	RAL
Arsenic	EPA-6020	3.6	0.20	1	MG/KG	04/16/2021	RAL
Barium	EPA-6020	90	0.10	1	MG/KG	04/16/2021	RAL
Cadmium	EPA-6020	0.28	0.10	1	MG/KG	04/16/2021	RAL
Chromium	EPA-6020	16	0.10	1	MG/KG	04/16/2021	RAL
Lead	EPA-6020	3.5	0.10	1	MG/KG	04/16/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/16/2021	RAL
Silver	EPA-6020	0.14	0.10	1	MG/KG	04/16/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	84.8	04/16/2021	KLS
C25	NWTPH-DX	91.3	04/16/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/19/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040078
CLIENT PROJECT:	Port of Everett	ALS SAMPLE#:	EV21040078-03
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/15/2021
		COLLECTION DATE:	4/15/2021 2:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/16/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/16/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/16/2021	JNF
Mercury	EPA-7471	0.027	0.020	1	MG/KG	04/16/2021	RAL
Antimony	EPA-6020	U	0.10	1	MG/KG	04/16/2021	RAL
Arsenic	EPA-6020	3.9	0.20	1	MG/KG	04/16/2021	RAL
Barium	EPA-6020	110	0.10	1	MG/KG	04/16/2021	RAL
Cadmium	EPA-6020	0.28	0.10	1	MG/KG	04/16/2021	RAL
Chromium	EPA-6020	17	0.10	1	MG/KG	04/16/2021	RAL
Lead	EPA-6020	3.7	0.10	1	MG/KG	04/16/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/16/2021	RAL
Silver	EPA-6020	0.14	0.10	1	MG/KG	04/16/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	86.3	04/16/2021	KLS
C25	NWTPH-DX	92.4	04/16/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/19/2021
CLIENT CONTACT:	Jeff Van Beek	ALS SDG#:	EV21040078
CLIENT PROJECT:	Port of Everett	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-041521S4 - Batch 164796 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	04/16/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-041621S - Batch 164728 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/16/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/16/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R381909 - Batch R381909 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	04/16/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-041621S - Batch 164746 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/16/2021	RAL
Barium	EPA-6020	U	MG/KG	0.12	04/16/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL
Chromium	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	04/16/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Cowden Gravel & Ready Mix
 3463 Cedarville Rd,
 Bellingham, WA 98226

CLIENT CONTACT: Jeff Van Beek
 CLIENT PROJECT: Port of Everett

DATE: 4/19/2021
 ALS SDG#: EV21040078
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164796 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	87.6			66.5	122.7	04/16/2021	KLS
TPH-Volatile Range - BSD	NWTPH-GX	88.4	1		66.5	122.7	04/16/2021	KLS

ALS Test Batch ID: 164728 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	87.0			75.5	122.1	04/18/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	92.7	6		75.5	122.1	04/16/2021	JNF

ALS Test Batch ID: R381909 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	106			81.8	117	04/16/2021	RAL
Mercury - BSD	EPA-7471	108	2		81.8	117	04/16/2021	RAL

ALS Test Batch ID: 164746 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	95.5			80	120	04/16/2021	RAL
Antimony - BSD	EPA-6020	95.4	0		80	120	04/16/2021	RAL
Arsenic - BS	EPA-6020	99.9			80	120	04/16/2021	RAL
Arsenic - BSD	EPA-6020	98.3	2		80	120	04/16/2021	RAL
Barium - BS	EPA-6020	98.7			80	120	04/16/2021	RAL
Barium - BSD	EPA-6020	99.5	1		80	120	04/16/2021	RAL
Cadmium - BS	EPA-6020	104			80	120	04/16/2021	RAL
Cadmium - BSD	EPA-6020	104	1		80	120	04/16/2021	RAL
Chromium - BS	EPA-6020	100			80	120	04/16/2021	RAL
Chromium - BSD	EPA-6020	98.2	2		80	120	04/16/2021	RAL
Lead - BS	EPA-6020	97.1			80	120	04/16/2021	RAL
Lead - BSD	EPA-6020	97.8	1		80	120	04/16/2021	RAL
Selenium - BS	EPA-6020	99.0			80	120	04/16/2021	RAL
Selenium - BSD	EPA-6020	97.9	1		80	120	04/16/2021	RAL
Silver - BS	EPA-6020	110			80	120	04/16/2021	RAL
Silver - BSD	EPA-6020	108	2		80	120	04/16/2021	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



4721 Northwest Road
 Bellingham W, 98226
 (360) 380-1234/ Fax (360) 380-3456

SUBMITTAL TRANSMITTAL

Project: _____

Date: _____

Attn.: _____

Submittal No.: _____

List of Items Attached:

- | | |
|---------------------------------------|---|
| <input type="checkbox"/> Submittals | <input type="checkbox"/> Shop Drawings |
| <input type="checkbox"/> Product/Data | <input type="checkbox"/> Plans/Specifications |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Other: _____ |

Bid Item	Reference	Description	Acceptance Code

These are transmitted as checked below:

- | | | |
|---|---|---|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> Approved as Submitted | <input type="checkbox"/> Submit copies for Distribution |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> For your Records |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Return for Corrections | <input type="checkbox"/> For Signature |
| <input type="checkbox"/> For review and Comment | <input type="checkbox"/> Revise and Resubmit | <input type="checkbox"/> Other: _____ |

Remarks _____

<i>For Use By Architect/Engineer</i>	
Acceptance Action Codes 1. NO EXCEPTIONS TAKEN 2. REVISE AND RESUBMIT 3. MAKE CORRECTIONS NOTED 4. REJECTED – SEE REMARKS	BY: _____ DATE: _____



April 21, 2021

Mr. Jeff Van Beek
Cowden Gravel & Ready Mix
3463 Cedarville Rd,
Bellingham, WA 98226

Dear Mr. Van Beek,

On April 19th, 2 samples were received by our laboratory and assigned our laboratory project number EV21040094. The project was identified as your A&B/Mission/Gravel Borrow. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/21/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040094
CLIENT PROJECT:	A&B/Mission/Gravel Borrow	ALS SAMPLE#:	EV21040094-01
CLIENT SAMPLE ID:	Gravel Borrow	DATE RECEIVED:	04/19/2021
		COLLECTION DATE:	4/19/2021 12:05:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/20/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/20/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/20/2021	JNF
Mercury	EPA-7471	0.026	0.020	1	MG/KG	04/21/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/21/2021	RAL
Arsenic	EPA-6020	3.9	0.20	1	MG/KG	04/21/2021	RAL
Barium	EPA-6020	97	0.10	1	MG/KG	04/21/2021	RAL
Cadmium	EPA-6020	0.31	0.10	1	MG/KG	04/21/2021	RAL
Chromium	EPA-6020	19	0.10	1	MG/KG	04/21/2021	RAL
Lead	EPA-6020	3.8	0.10	1	MG/KG	04/21/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/21/2021	RAL
Silver	EPA-6020	0.13	0.10	1	MG/KG	04/21/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	108	04/20/2021	KLS
C25	NWTPH-DX	93.1	04/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/21/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040094
CLIENT PROJECT:	A&B/Mission/Gravel Borrow	ALS SAMPLE#:	EV21040094-02
CLIENT SAMPLE ID	Gravel Borrow	DATE RECEIVED:	04/19/2021
		COLLECTION DATE:	4/19/2021 12:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/20/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/20/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/20/2021	JNF
Mercury	EPA-7471	0.026	0.020	1	MG/KG	04/21/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/21/2021	RAL
Arsenic	EPA-6020	3.8	0.20	1	MG/KG	04/21/2021	RAL
Barium	EPA-6020	95	0.10	1	MG/KG	04/21/2021	RAL
Cadmium	EPA-6020	0.30	0.10	1	MG/KG	04/21/2021	RAL
Chromium	EPA-6020	16	0.10	1	MG/KG	04/21/2021	RAL
Lead	EPA-6020	3.7	0.10	1	MG/KG	04/21/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/21/2021	RAL
Silver	EPA-6020	0.13	0.10	1	MG/KG	04/21/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	107	04/20/2021	KLS
C25	NWTPH-DX	91.4	04/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/21/2021
CLIENT CONTACT:	Jeff Van Beek	ALS SDG#:	EV21040094
CLIENT PROJECT:	A&B/Mission/Gravel Borrow	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042021S - Batch 164851 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	04/20/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042021S - Batch 164880 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/20/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R382114 - Batch R382114 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	04/21/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042121S - Batch 164936 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	04/21/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/21/2021	RAL
Barium	EPA-6020	U	MG/KG	0.12	04/21/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Chromium	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	04/21/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Cowden Gravel & Ready Mix
 3463 Cedarville Rd,
 Bellingham, WA 98226

CLIENT CONTACT: Jeff Van Beek
 CLIENT PROJECT: A&B/Mission/Gravel Borrow

DATE: 4/21/2021
 ALS SDG#: EV21040094
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164851 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	105			66.5	122.7	04/20/2021	KLS
TPH-Volatile Range - BSD	NWTPH-GX	105	1		66.5	122.7	04/20/2021	KLS

ALS Test Batch ID: 164880 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	95.6			75.5	122.1	04/20/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	94.6	1		75.5	122.1	04/20/2021	JNF

ALS Test Batch ID: R382114 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	108			81.8	117	04/21/2021	RAL
Mercury - BSD	EPA-7471	109	1		81.8	117	04/21/2021	RAL

ALS Test Batch ID: 164936 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	105			80	120	04/21/2021	RAL
Antimony - BSD	EPA-6020	108	3		80	120	04/21/2021	RAL
Arsenic - BS	EPA-6020	100			80	120	04/21/2021	RAL
Arsenic - BSD	EPA-6020	101	1		80	120	04/21/2021	RAL
Barium - BS	EPA-6020	105			80	120	04/21/2021	RAL
Barium - BSD	EPA-6020	107	2		80	120	04/21/2021	RAL
Cadmium - BS	EPA-6020	111			80	120	04/21/2021	RAL
Cadmium - BSD	EPA-6020	112	1		80	120	04/21/2021	RAL
Chromium - BS	EPA-6020	103			80	120	04/21/2021	RAL
Chromium - BSD	EPA-6020	104	1		80	120	04/21/2021	RAL
Lead - BS	EPA-6020	99.4			80	120	04/21/2021	RAL
Lead - BSD	EPA-6020	102	3		80	120	04/21/2021	RAL
Selenium - BS	EPA-6020	102			80	120	04/21/2021	RAL
Selenium - BSD	EPA-6020	104	2		80	120	04/21/2021	RAL
Silver - BS	EPA-6020	111			80	120	04/21/2021	RAL
Silver - BSD	EPA-6020	114	3		80	120	04/21/2021	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

Mandan Pit CSTC



April 26, 2021

Mr. Jeff Van Beek
Cowden Gravel & Ready Mix
3463 Cedarville Rd,
Bellingham, WA 98226

Dear Mr. Van Beek,

On April 21st, 2 samples were received by our laboratory and assigned our laboratory project number EV21040109. The project was identified as your Mandan CSTC. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040109
CLIENT PROJECT:	Mandan CSTC	ALS SAMPLE#:	EV21040109-01
CLIENT SAMPLE ID	CSTC	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/20/2021 12:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Mercury	EPA-7471	0.049	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	5.8	0.20	1	MG/KG	04/22/2021	RAL
Barium	EPA-6020	110	0.10	1	MG/KG	04/22/2021	RAL
Cadmium	EPA-6020	0.12	0.10	1	MG/KG	04/22/2021	RAL
Chromium	EPA-6020	52	0.10	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	4.8	0.10	1	MG/KG	04/22/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/22/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.4	04/22/2021	KLS
C25	NWTPH-DX	98.4	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040109
CLIENT PROJECT:	Mandan CSTC	ALS SAMPLE#:	EV21040109-02
CLIENT SAMPLE ID	CSTC	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 10:05:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Mercury	EPA-7471	0.050	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	5.3	0.20	1	MG/KG	04/22/2021	RAL
Barium	EPA-6020	120	0.10	1	MG/KG	04/22/2021	RAL
Cadmium	EPA-6020	0.12	0.10	1	MG/KG	04/22/2021	RAL
Chromium	EPA-6020	41	0.10	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	4.7	0.10	1	MG/KG	04/22/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/22/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	77.4	04/22/2021	KLS
C25	NWTPH-DX	99.0	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/26/2021
CLIENT CONTACT:	Jeff Van Beek	ALS SDG#:	EV21040109
CLIENT PROJECT:	Mandan CSTC	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042121S2 - Batch 164977 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	04/21/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042221S - Batch 164985 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/22/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R382399 - Batch R382399 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	04/26/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042121S - Batch 164936 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	04/21/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/21/2021	RAL
Barium	EPA-6020	U	MG/KG	0.12	04/21/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Chromium	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	04/21/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Cowden Gravel & Ready Mix
 3463 Cedarville Rd,
 Bellingham, WA 98226

CLIENT CONTACT: Jeff Van Beek
 CLIENT PROJECT: Mandan CSTC

DATE: 4/26/2021
 ALS SDG#: EV21040109
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164977 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	93.2			66.5	122.7	04/21/2021	KLS
TPH-Volatile Range - BSD	NWTPH-GX	93.5	0		66.5	122.7	04/21/2021	KLS

ALS Test Batch ID: 164985 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	117			75.5	122.1	04/22/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	99.4	16	SR1	75.5	122.1	04/22/2021	JNF

SR1 - RPD outside of control limits.

ALS Test Batch ID: R382399 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	109			81.8	117	04/26/2021	RAL
Mercury - BSD	EPA-7471	105	4		81.8	117	04/26/2021	RAL

ALS Test Batch ID: 164936 - Soil by EPA-6020

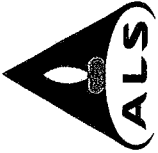
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	105			80	120	04/21/2021	RAL
Antimony - BSD	EPA-6020	108	3		80	120	04/21/2021	RAL
Arsenic - BS	EPA-6020	100			80	120	04/21/2021	RAL
Arsenic - BSD	EPA-6020	101	1		80	120	04/21/2021	RAL
Barium - BS	EPA-6020	105			80	120	04/21/2021	RAL
Barium - BSD	EPA-6020	107	2		80	120	04/21/2021	RAL
Cadmium - BS	EPA-6020	111			80	120	04/21/2021	RAL
Cadmium - BSD	EPA-6020	112	1		80	120	04/21/2021	RAL
Chromium - BS	EPA-6020	103			80	120	04/21/2021	RAL
Chromium - BSD	EPA-6020	104	1		80	120	04/21/2021	RAL
Lead - BS	EPA-6020	99.4			80	120	04/21/2021	RAL
Lead - BSD	EPA-6020	102	3		80	120	04/21/2021	RAL
Selenium - BS	EPA-6020	102			80	120	04/21/2021	RAL
Selenium - BSD	EPA-6020	104	2		80	120	04/21/2021	RAL
Silver - BS	EPA-6020	111			80	120	04/21/2021	RAL
Silver - BSD	EPA-6020	114	3		80	120	04/21/2021	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV21040109

Date 4/21 Page 1 Of 1

PROJECT ID: REPORT TO COMPANY:	ANALYSIS REQUESTED				OTHER (Specify)		NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
	PROJECT MANAGER:	ADDRESS:	PHONE: E-MAIL:	INVOICE TO COMPANY:	ATTENTION:	ADDRESS:		
Mardan CSTC	Jeff Van Beek / Elise Gronewald	3463 Gehrwille Rd Bellingham WA 98226	360-746-4428 P.O. # American Hubbert jeffcalenderinc.com	Part of Everett	Elise Gronewald			
1. CSTC	4/20 12:50 S	1						
2. CSTC	4/21 11:00 S	2						
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: *[Signature]* 4/24 *[Signature]* 4/21/2021 1325
 Received By: *[Signature]* FUS 4/21/2021 1325
 2. Relinquished By:
 Received By:

TURNAROUND REQUESTED in Business Days*
 OTHER:
 Specify: _____

Organic, Metals & Inorganic Analysis
 10 Standard 5 2 1 SAME DAY

Fuels & Hydrocarbon Analysis
 5 Standard 1 1 SAME DAY

*Turnaround request less than standard may incur Rush Charges



April 27, 2021

Mr. Jeff Van Beek
Cowden Gravel & Ready Mix
3463 Cedarville Rd,
Bellingham, WA 98226

Dear Mr. Van Beek,

On April 22nd, 2 samples were received by our laboratory and assigned our laboratory project number EV21040122. The project was identified as your Mandan CSTC. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040122
CLIENT PROJECT:	Mandan CSTC	ALS SAMPLE#:	EV21040122-01
CLIENT SAMPLE ID	CSTC	DATE RECEIVED:	04/22/2021
		COLLECTION DATE:	4/22/2021 9:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/26/2021	JNF
Mercury	EPA-7471	0.084	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.20	1	MG/KG	04/26/2021	RAL
Arsenic	EPA-6020	5.0	0.20	1	MG/KG	04/26/2021	RAL
Barium	EPA-6020	110	0.10	1	MG/KG	04/26/2021	RAL
Cadmium	EPA-6020	0.11	0.10	1	MG/KG	04/26/2021	RAL
Chromium	EPA-6020	49	0.10	1	MG/KG	04/26/2021	RAL
Lead	EPA-6020	4.8	0.10	1	MG/KG	04/26/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/26/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/26/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	96.1	04/23/2021	KLS
C25	NWTPH-DX	103	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS JOB#:	EV21040122
CLIENT PROJECT:	Mandan CSTC	ALS SAMPLE#:	EV21040122-02
CLIENT SAMPLE ID	CSTC	DATE RECEIVED:	04/22/2021
		COLLECTION DATE:	4/22/2021 10:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/26/2021	JNF
Mercury	EPA-7471	0.053	0.020	1	MG/KG	04/26/2021	RAL
Antimony	EPA-6020	U	0.20	1	MG/KG	04/26/2021	RAL
Arsenic	EPA-6020	4.6	0.20	1	MG/KG	04/26/2021	RAL
Barium	EPA-6020	110	0.10	1	MG/KG	04/26/2021	RAL
Cadmium	EPA-6020	0.10	0.10	1	MG/KG	04/26/2021	RAL
Chromium	EPA-6020	39	0.10	1	MG/KG	04/26/2021	RAL
Lead	EPA-6020	5.1	0.10	1	MG/KG	04/26/2021	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	04/26/2021	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	04/26/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	92.6	04/23/2021	KLS
C25	NWTPH-DX	114	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Cowden Gravel & Ready Mix 3463 Cedarville Rd, Bellingham, WA 98226	DATE:	4/27/2021
CLIENT CONTACT:	Jeff Van Beek	ALS SDG#:	EV21040122
CLIENT PROJECT:	Mandan CSTC	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042321S - Batch 165037 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	04/23/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042621S - Batch 165143 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/26/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/26/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R382399 - Batch R382399 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	04/26/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042621S - Batch 165095 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.20	04/26/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/26/2021	RAL
Barium	EPA-6020	U	MG/KG	0.12	04/26/2021	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL
Chromium	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL
Selenium	EPA-6020	U	MG/KG	1.0	04/26/2021	RAL
Silver	EPA-6020	U	MG/KG	0.10	04/26/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Cowden Gravel & Ready Mix
 3463 Cedarville Rd,
 Bellingham, WA 98226

CLIENT CONTACT: Jeff Van Beek
 CLIENT PROJECT: Mandan CSTC

DATE: 4/27/2021
 ALS SDG#: EV21040122
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165037 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	91.1			66.5	122.7	04/23/2021	KLS
TPH-Volatile Range - BSD	NWTPH-GX	91.4	0		66.5	122.7	04/23/2021	KLS

ALS Test Batch ID: 165143 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	87.6			75.5	122.1	04/26/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	96.5	10		75.5	122.1	04/26/2021	JNF

ALS Test Batch ID: R382399 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	109			81.8	117	04/26/2021	RAL
Mercury - BSD	EPA-7471	105	4		81.8	117	04/26/2021	RAL

ALS Test Batch ID: 165095 - Soil by EPA-6020

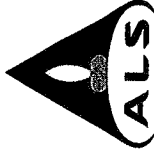
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	94.1			80	120	04/26/2021	RAL
Antimony - BSD	EPA-6020	94.8	1		80	120	04/26/2021	RAL
Arsenic - BS	EPA-6020	97.1			80	120	04/26/2021	RAL
Arsenic - BSD	EPA-6020	96.6	1		80	120	04/26/2021	RAL
Barium - BS	EPA-6020	99.3			80	120	04/26/2021	RAL
Barium - BSD	EPA-6020	100	1		80	120	04/26/2021	RAL
Cadmium - BS	EPA-6020	103			80	120	04/26/2021	RAL
Cadmium - BSD	EPA-6020	103	0		80	120	04/26/2021	RAL
Chromium - BS	EPA-6020	97.6			80	120	04/26/2021	RAL
Chromium - BSD	EPA-6020	96.8	1		80	120	04/26/2021	RAL
Lead - BS	EPA-6020	94.1			80	120	04/26/2021	RAL
Lead - BSD	EPA-6020	95.0	1		80	120	04/26/2021	RAL
Selenium - BS	EPA-6020	97.9			80	120	04/26/2021	RAL
Selenium - BSD	EPA-6020	98.1	0		80	120	04/26/2021	RAL
Silver - BS	EPA-6020	99.0			80	120	04/26/2021	RAL
Silver - BSD	EPA-6020	98.9	0		80	120	04/26/2021	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain of Custody/ Laboratory Analysis Request

ALS Job# _____ (Laboratory Use Only)

EV 21040122

Date 4/22 Page 1 Of 1

PROJECT ID: Mandan CSTC
 REPORT TO: Cowden Eng
 COMPANY: Jeff VanBeek / Elise Gronewald
 PROJECT MANAGER: Jeff VanBeek / Elise Gronewald
 ADDRESS: 3463 Cedarville Rd,
 Bellingham wa. 98226
 PHONE: 360-742-4428 P.O. #: Ameron/Humbach
 E-MAIL: jeff@cowdeninc.com
 INVOICE TO COMPANY: Port of Everett
 ATTENTION: Elise Gronewald
 ADDRESS:

ANALYSIS REQUESTED	NWTPH-HCID	NWTPH-DX	NWTPH-GX	ANALYSIS REQUESTED										NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?														
				BTEX by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081			Metals-MTCA-5	RCRA-8	Pt Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs				
	44																												
	44																												
1. CSTC					4/22	9:30	S	1																					
2. CSTC					4/22	10:00	S	2																					
3.																													
4.																													
5.																													
6.																													
7.																													
8.																													
9.																													
10.																													

OTHER (Specify) _____

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: *Jeff VanBeek / Elise Gronewald* Cowden 4/22
 Received By: *Pen Perry* ALS 4/22/21 2:20PM
 2. Relinquished By: _____
 Received By: _____
 Turnaround Requested in Business Days*
 Organic, Metals & Inorganic Analysis: 10 Standard, 5, 2, 1
 Fuels & Hydrocarbon Analysis: 5 Standard, 3, 1
 OTHER: _____
 Specify: _____
 *Turnaround request less than standard may incur Rush Charges

Select Site Photographs



1. Looking northeast at area H with concrete material uncovered during excavation.



2. Looking west from area H with concrete material in areas F, G, and H.

6/8/22 P:\147\029\500\Files\RM\Final Cleanup Action Report\Appendix\Appendix D\1.docx



3. Looking west from area H with shoring installed during excavation.



4. Looking west at paved and filled G-2 area.

6/8/22 P:\147\029\500\FilesRm\RFinal_Cleanup_Action_Report\Appendix\Appendix D\02.docx



5. Cleanup Area G-4 vault after removal of sandblast grit.

Analytical Laboratory Reports



April 16, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On April 14th, 4 samples were received by our laboratory and assigned our laboratory project number EV21040065. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/16/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040065
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040065-01
CLIENT SAMPLE ID	SW-1	DATE RECEIVED:	04/14/2021
		COLLECTION DATE:	4/14/2021 10:25:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/14/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/14/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	04/15/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/14/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	04/15/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Chrysene	EPA-8270 SIM	22	20	1	UG/KG	04/15/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	30	20	1	UG/KG	04/15/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	23	20	1	UG/KG	04/15/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Antimony	EPA-6020	2.7	0.10	1	MG/KG	04/16/2021	RAL
Arsenic	EPA-6020	18	0.20	1	MG/KG	04/16/2021	RAL
Lead	EPA-6020	22	0.10	1	MG/KG	04/16/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	75.4	04/14/2021	KLS
C25	NWTPH-DX	103	04/14/2021	JNF
C25	NWTPH-DX w/ SGA	105	04/15/2021	JNF
Terphenyl-d14	EPA-8270 SIM	150	04/15/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/16/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040065
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040065-02
CLIENT SAMPLE ID	Tripblanks-210414	DATE RECEIVED:	04/14/2021
		COLLECTION DATE:	4/14/2021
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	04/14/2021	KLS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	83.8	04/14/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/16/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040065
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040065-03
CLIENT SAMPLE ID	SW-2	DATE RECEIVED:	04/14/2021
		COLLECTION DATE:	4/14/2021 11:05:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/15/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/14/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/14/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Antimony	EPA-6020	0.31	0.10	1	MG/KG	04/16/2021	RAL
Arsenic	EPA-6020	5.2	0.20	1	MG/KG	04/16/2021	RAL
Lead	EPA-6020	6.8	0.10	1	MG/KG	04/16/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	83.7	04/15/2021	KLS
C25	NWTPH-DX	78.6	04/14/2021	JNF
Terphenyl-d14	EPA-8270 SIM	148	04/15/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/16/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040065
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040065-04
CLIENT SAMPLE ID	BS-1	DATE RECEIVED:	04/14/2021
		COLLECTION DATE:	4/14/2021 11:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/15/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/14/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/14/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/15/2021	JMK
Antimony	EPA-6020	0.12	0.10	1	MG/KG	04/16/2021	RAL
Arsenic	EPA-6020	5.3	0.20	1	MG/KG	04/16/2021	RAL
Lead	EPA-6020	6.7	0.10	1	MG/KG	04/16/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	71.8	04/15/2021	KLS
C25	NWTPH-DX	96.4	04/14/2021	JNF
Terphenyl-d14	EPA-8270 SIM	140	04/15/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/16/2021
 130 - 2nd Ave. S. ALS SDG#: EV21040065
 Edmonds, WA 98020 WDOE ACCREDITATION: C601

CLIENT CONTACT: Dylan Frazer
 CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MBG-041421S2 - Batch 164620 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	04/14/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-041421W - Batch 164660 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	04/14/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB2-041421S - Batch 164684 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	04/14/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	04/14/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-041421S - Batch 164668 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/15/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-041621S - Batch 164746 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/16/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/16/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/16/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040065
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164620 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	86.4			66.5	122.7	04/14/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	86.6	0		66.5	122.7	04/14/2021	KLS

ALS Test Batch ID: 164660 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	89.8			66.5	122.7	04/14/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	89.8	0		66.5	122.7	04/14/2021	KLS

ALS Test Batch ID: 164684 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	121			75.5	122.1	04/14/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	113	7		75.5	122.1	04/14/2021	JNF

ALS Test Batch ID: 164668 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	143			20	150	04/15/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	146	2		20	150	04/15/2021	JMK
Chrysene - BS	EPA-8270 SIM	133			20	150	04/15/2021	JMK
Chrysene - BSD	EPA-8270 SIM	135	1		20	150	04/15/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	127			20	150	04/15/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	136	7		20	150	04/15/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	138			20	150	04/15/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	145	5		20	150	04/15/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	145			20	150	04/15/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	147	2		20	150	04/15/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	149			20	150	04/15/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	125	18		20	150	04/15/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	146			20	150	04/15/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	121	18		20	150	04/15/2021	JMK

ALS Test Batch ID: 164746 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	95.5			80	120	04/16/2021	RAL
Antimony - BSD	EPA-6020	95.4	0		80	120	04/16/2021	RAL
Arsenic - BS	EPA-6020	99.9			80	120	04/16/2021	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/16/2021
		ALS SDG#:	EV21040065
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Dylan Frazer		
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992		

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	98.3	2		80	120	04/16/2021	RAL
Lead - BS	EPA-6020	97.1			80	120	04/16/2021	RAL
Lead - BSD	EPA-6020	97.8	1		80	120	04/16/2021	RAL

APPROVED BY



Laboratory Director

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates ALS Job #: EV21040065

Project: Ameron-Hulbert / 0147029. 500. 992

Received Date: 4/14/21 Received Time: 1221 By: SL

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	Yes	No	N/A
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

Sample Number	Reagent	Analyte
_____	_____	_____
_____	_____	_____
_____	_____	_____

Received soil samples per SO35 high kits.

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: None

Temperature of cooler upon receipt: 7.5°C on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



Chain-of-Custody Record

Bill POE directly

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 926-2493

Spokane (509) 327-9737
 Portland (503) 542-1080

Turnaround Time: Standard Accelerated 24 hrs

Date 4/14/21
 Page 1 of 1

Project Name	Project No.	Project Location/Event	Sampler's Name	Project Contact	Send Results To	Sample I.D.	Date	Time	Matrix	No. of Containers	Metal Methods	TPH-D (Method NWTPH-D)* EPA Method 6020 *	TPH-G (Method NWTPH-G) EPA Method 6021-53M	CPATHS	Observations/Comments
Ameron-Hulbert	0147029.500.992	Port of Everett / Final Cleanup	Brittany McManus	Dylan Frazer	Dylan Frazer and Danille Jorgensen	BS-1	4/14/21	1025	Soil	2	X	X	X	X	
						SW-1	4/14/21	1025	Soil	2	X	X	X	X	
						Trip blanks - 210414			AQ	2	X	X	X	X	
						SW-2	4/14/21	1105	Soil	2	X	X	X	X	
						BS-1	4/14/21	1145	Soil	2	X	X	X	X	
Special Handling Requirements: _____ Shipment Method: <u>Drop OFF</u> Stored on ice: <input checked="" type="radio"/> Yes / <input type="radio"/> No															

Testing Parameters

EPH Method 6020
EPH Method 6021-53M
CPATHS
TPH-G (Method NWTPH-G)
TPH-D (Method NWTPH-D)*

Allow water samples to settle, collect aliquot from clear portion
 *NWTPH-Dx - Acid wash cleanup
 - Silica gel cleanup
 Dissolved metal samples were field filtered

Other * Antimony, arsenic, and lead

* Please run Silica gel Cleanup on ONLY sample SW-1

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature Shawn Robinson
 Printed Name Shawn Robinson
 Company ALS
 Date 4/14/21 Time 1221

Relinquished by
 Signature Bill
 Printed Name Brittany McManus
 Company Landau Associates, Inc.
 Date 4/14/21 Time 1221



April 20, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On April 19th, 3 samples were received by our laboratory and assigned our laboratory project number EV21040095. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040095
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040095-01
CLIENT SAMPLE ID	Trip Blanks-210419	DATE RECEIVED:	04/19/2021
		COLLECTION DATE:	4/19/2021
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	04/20/2021	KLS
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	110				04/20/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040095
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040095-02
CLIENT SAMPLE ID	BS-2	DATE RECEIVED:	04/19/2021
		COLLECTION DATE:	4/19/2021 1:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/20/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Antimony	EPA-6020	0.14	0.10	1	MG/KG	04/20/2021	RAL
Arsenic	EPA-6020	4.8	0.20	1	MG/KG	04/20/2021	RAL
Lead	EPA-6020	7.1	0.10	1	MG/KG	04/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	86.0	04/20/2021	KLS
C25	NWTPH-DX	103	04/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	96.1	04/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040095
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040095-03
CLIENT SAMPLE ID	SW-3	DATE RECEIVED:	04/19/2021
		COLLECTION DATE:	4/19/2021 2:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/20/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/20/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/20/2021	JMK
Antimony	EPA-6020	0.57	0.10	1	MG/KG	04/20/2021	RAL
Arsenic	EPA-6020	4.7	0.20	1	MG/KG	04/20/2021	RAL
Lead	EPA-6020	4.7	0.10	1	MG/KG	04/20/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	76.8	04/20/2021	KLS
C25	NWTPH-DX	95.2	04/20/2021	JNF
Terphenyl-d14	EPA-8270 SIM	115	04/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/20/2021
 130 - 2nd Ave. S. ALS SDG#: EV21040095
 Edmonds, WA 98020 WDOE ACCREDITATION: C601

CLIENT CONTACT: Dylan Frazer
 CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MBG-042021S - Batch 164851 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	04/20/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-041921W - Batch 164853 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	04/20/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042021S - Batch 164880 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	04/20/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	04/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042021S - Batch 164859 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042021S - Batch 164881 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	04/20/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/20/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/20/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040095
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164851 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	105			66.5	122.7	04/20/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	105	1		66.5	122.7	04/20/2021	KLS

ALS Test Batch ID: 164853 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	106			66.5	122.7	04/20/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	106	0		66.5	122.7	04/20/2021	KLS

ALS Test Batch ID: 164880 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	95.6			75.5	122.1	04/20/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	94.6	1		75.5	122.1	04/20/2021	JNF

ALS Test Batch ID: 164859 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	69.1			20	150	04/20/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	77.8	12		20	150	04/20/2021	JMK
Chrysene - BS	EPA-8270 SIM	86.4			20	150	04/20/2021	JMK
Chrysene - BSD	EPA-8270 SIM	95.9	10		20	150	04/20/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	75.7			20	150	04/20/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	83.8	10		20	150	04/20/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	77.9			20	150	04/20/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	86.1	10		20	150	04/20/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	81.1			20	150	04/20/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	90.5	11		20	150	04/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	106			20	150	04/20/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	116	9		20	150	04/20/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	85.2			20	150	04/20/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	92.9	9		20	150	04/20/2021	JMK

ALS Test Batch ID: 164881 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	94.1			80	120	04/20/2021	RAL
Antimony - BSD	EPA-6020	93.5	1		80	120	04/20/2021	RAL
Arsenic - BS	EPA-6020	97.1			80	120	04/20/2021	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 4/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#: EV21040095
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	97.4	0		80	120	04/20/2021	RAL
Lead - BS	EPA-6020	95.8			80	120	04/20/2021	RAL
Lead - BSD	EPA-6020	96.4	1		80	120	04/20/2021	RAL

APPROVED BY



Laboratory Director

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau

ALS Job #: EV21040095

Project: 0147029,500.992 Ameron Hulbert

Received Date: 4/19/2021 Received Time: 1505 By: SMH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

2 high kits included.

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: _____

Temperature of cooler upon receipt: 9.3°C - on ice Cold Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



Chain-of-Custody Record

Bill POE directly EV21040095

Seattle/Edmonds (425) 778-0907 Spokane (509) 327-9737
 Tacoma (253) 926-2493 Portland (503) 542-1080

Turnaround Time: Standard _____ Accelerated 24 Hrs

Project Name American - Hulbert Project No. 0147024.500.992
 Project Location/Event Part of Everett / Final Cleanup
 Sampler's Name Brittany McManus
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer and Danni Jorgensen

Special Handling Requirements: _____

Shipment Method: Drop OFF
 Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters	Observations/Comments
<u>1 Trip Blanks - 210419</u>	<u>4/19/21</u>	<u>1340</u>	<u>AQ</u>	<u>2</u>	Metals EPA Method 6320* TPH-D (Method NWTPH-DX) TPH-G (Method NWTPH-G) cPAHs (EPA Method 8270-SIM)	Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/> NWTPH-Dx - Acid wash cleanup <input type="checkbox"/> - Silica gel cleanup <input type="checkbox"/> Dissolved metal samples were field filtered
<u>2 B5-2</u>	<u>4/19/21</u>	<u>1410</u>	<u>Soil</u>	<u>2</u>		
<u>3 SW-3</u>	<u>4/19/21</u>	<u>1410</u>	<u>Soil</u>	<u>2</u>		

Relinquished by Signature <u>[Signature]</u> Printed Name <u>Brittany McManus</u> Company <u>Landau Associates, Inc</u> Date <u>4/19/21</u> Time <u>1520</u>	Received by Signature <u>[Signature]</u> Printed Name <u>Shannon Huffman</u> Company <u>ALS</u> Date <u>4/19/2021</u> Time <u>1505</u>
Relinquished by Signature _____ Printed Name _____ Company _____ Date _____ Time _____	Received by Signature _____ Printed Name _____ Company _____ Date _____ Time _____



April 23, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On April 21st, 12 samples were received by our laboratory and assigned our laboratory project number EV21040108. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
		ALS JOB#:	EV21040108
CLIENT CONTACT:	Dylan Frazer	ALS SAMPLE#:	EV21040108-01
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	DATE RECEIVED:	04/21/2021
CLIENT SAMPLE ID	Trip Blanks-210421	COLLECTION DATE:	4/21/2021
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	04/21/2021	KLS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	92.8	04/21/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-02
CLIENT SAMPLE ID	BS-3	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 9:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/21/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.1	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	4.6	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	75.4	04/21/2021	KLS
C25	NWTPH-DX	105	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	119	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-03
CLIENT SAMPLE ID	BS-4	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 9:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/21/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	2.8	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	4.5	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	64.7	04/21/2021	KLS
C25	NWTPH-DX	99.5	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	115	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-04
CLIENT SAMPLE ID	BS-5	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 9:35:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/21/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	2.7	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	5.5	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	65.2	04/21/2021	KLS
C25	NWTPH-DX	101	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	135	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-05
CLIENT SAMPLE ID	SW-4	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 10:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/21/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	5.5	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	4.7	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	66.2	04/21/2021	KLS
C25	NWTPH-DX	103	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	126	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-06
CLIENT SAMPLE ID	SW-5	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 10:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/21/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	270	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	480	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	580	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	180	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	310	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	310	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	77	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.8	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	6.2	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	65.9	04/21/2021	KLS
C25	NWTPH-DX	118	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	133	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-07
CLIENT SAMPLE ID	SW-6	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 10:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/21/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.4	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	5.0	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	77.0	04/21/2021	KLS
C25	NWTPH-DX	95.7	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	125	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-08
CLIENT SAMPLE ID	BS-6	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 11:11:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.3	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	6.1	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	64.9	04/22/2021	KLS
C25	NWTPH-DX	83.6	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	128	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-09
CLIENT SAMPLE ID	BS-7	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 11:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	5.3	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	6.0	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	69.7	04/22/2021	KLS
C25	NWTPH-DX	101	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	125	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-10
CLIENT SAMPLE ID	BS-8	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 11:55:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.3	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	5.0	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	66.1	04/22/2021	KLS
C25	NWTPH-DX	94.4	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	125	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-11
CLIENT SAMPLE ID	SW-7	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 12:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	4.6	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	5.4	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	67.7	04/22/2021	KLS
C25	NWTPH-DX	69.6	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	136	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040108-12
CLIENT SAMPLE ID	SW-8	DATE RECEIVED:	04/21/2021
		COLLECTION DATE:	4/21/2021 12:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/22/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/22/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	04/22/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/22/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	04/22/2021	RAL
Arsenic	EPA-6020	3.9	0.20	1	MG/KG	04/22/2021	RAL
Lead	EPA-6020	4.5	0.10	1	MG/KG	04/22/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	68.1	04/22/2021	KLS
C25	NWTPH-DX	90.1	04/22/2021	JNF
C25	NWTPH-DX w/ SGA	92.1	04/22/2021	JNF
Terphenyl-d14	EPA-8270 SIM	115	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042121S2 - Batch 164977 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	04/21/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-042121W - Batch 164975 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	04/21/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042221S - Batch 164985 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	04/22/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	04/22/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042221S - Batch 164991 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/22/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042121S - Batch 164936 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	04/21/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	04/21/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	04/21/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/23/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040108
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 164977 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.2			66.5	122.7	04/21/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	93.5	0		66.5	122.7	04/21/2021	KLS

ALS Test Batch ID: 164975 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.3			66.5	122.7	04/21/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	92.9	0		66.5	122.7	04/21/2021	KLS

ALS Test Batch ID: 164985 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	117			75.5	122.1	04/22/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	99.4	16	SR1	75.5	122.1	04/22/2021	JNF

SR1 - RPD outside of control limits.

ALS Test Batch ID: 164991 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	97.3			20	150	04/22/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	105	7		20	150	04/22/2021	JMK
Chrysene - BS	EPA-8270 SIM	109			20	150	04/22/2021	JMK
Chrysene - BSD	EPA-8270 SIM	115	6		20	150	04/22/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	103			20	150	04/22/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	110	7		20	150	04/22/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	96.8			20	150	04/22/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	102	5		20	150	04/22/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	106			20	150	04/22/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	113	6		20	150	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	121			20	150	04/22/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	129	7		20	150	04/22/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	91.3			20	150	04/22/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	97.7	7		20	150	04/22/2021	JMK

ALS Test Batch ID: 164936 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	105			80	120	04/21/2021	RAL
Antimony - BSD	EPA-6020	108	3		80	120	04/21/2021	RAL



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/23/2021
130 - 2nd Ave. S. ALS SDG#: EV21040108
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Arsenic - BS, Arsenic - BSD, Lead - BS, and Lead - BSD.

APPROVED BY

[Handwritten signature]

Laboratory Director



LANDAU ASSOCIATES

Chain-of-Custody Record

Bill POE directly

EV21040108

Seattle/Edmonds (425) 778-0907 Spokane (509) 327-9737
 Tacoma (253) 926-2493 Portland (503) 542-1080

Date 4/21/21
 Page 1 of 1

Turnaround Time:
 Standard _____
 Accelerated 24 Hrs

Project Name American Holbert Project No. 0147029.500.992
 Project Location/Event Port of Everett / Final Cleanup
 Sampler's Name Brittany McManus
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer and Dan Jorgensen

Testing Parameters

Special Handling Requirements:
 Shipment Method: Drop off
 Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	No. of Containers	Methods EPA Method 6020*	TPH-D (Method NWTPH-Dx)	TPH-G (Method NWTPH-G)	CPAH: EPA Method 8710-SIM	Run Dx with SGAC	Observations/Comments
1 Trip Blanks - 210421	—	—	AQ	2	X	X	X			
2 BS-3	4/21/21	900	Soil	2	X	X	X			
3 BS-4	4/21/21	920	Soil	2	X	X	X			
4 BS-5	4/21/21	935	Soil	2	X	X	X			
5 SW-4	4/21/21	1000	Soil	2	X	X	X			
6 SW-5	4/21/21	1020	Soil	2	X	X	X			
7 SW-6	4/21/21	1045	Soil	2	X	X	X			
8 BS-6	4/21/21	1111	Soil	2	X	X	X			
9 BS-7	4/21/21	1145	Soil	2	X	X	X			
10 BS-8	4/21/21	1155	Soil	2	X	X	X			
11 SW-7	4/21/21	1210	Soil	2	X	X	X			
12 SW-8	4/21/21	1230	Soil	2	X	X	X			

Allow water samples to settle, collect aliquot from clear portion
 NWTPH-Dx - Acid wash cleanup
 Silica gel cleanup
 Dissolved metal samples were field filtered
 Other: * Antimony, arsenic, and lead
→ Only for SW-8 Please run with and without SGAC

Relinquished by	Received by	Relinquished by	Received by
Signature <u>Brittany McManus</u> Printed Name <u>Brittany McManus</u> Company <u>Landau Associates, Inc</u> Date <u>4/21/21</u> Time <u>1312</u>	Signature <u>Alan Perry</u> Printed Name <u>Alan Perry</u> Company <u>ALS</u> Date <u>4/21/21</u> Time <u>1317</u>	Signature _____ Printed Name _____ Company _____ Date _____ Time _____	Signature _____ Printed Name _____ Company _____ Date _____ Time _____

ALS ENVIRONMENTAL
Sample Receiving Checklist

Client: Landau ALS job #: EV21040108

Project: Amerson Hulbert

Received Date: 4/21/21 Received Time: 13:12 By: MA

Type of shipping container: Cooler X Box _____ Other _____

Shipped via: FedEx Ground _____ FedEx Express _____ UPS _____ Mail _____ Courier _____ Hand Delivered X

Were custody seals on outside of shipping container? Yes _____ No X N/A _____

If yes, how many? _____ Where? _____ Seal name: _____ Custody seal date: _____

Was Chain of Custody properly filled out (ink, signed, dated, etc.)? X _____

Did all bottles have labels? X _____

Did all bottle labels and tags agree with Chain of Custody? X _____

Were samples received within hold time? X _____

Did all bottles arrive in good condition (unbroken, etc.)? X _____

Was sufficient amount of sample sent for the tests indicated? X _____

Was correct preservation added to samples? X _____

If no, Sample Control added preservative to the following: 11 high kits

Sample Number _____ Reagent _____ Analyte _____

Were VOA vials checked for absence of air bubbles? _____ Bubbles present in sample #: None

Temperature of cooler upon receipt: 5.9°C on ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



April 28, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On April 26th, 2 samples were received by our laboratory and assigned our laboratory project number EV21040135. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040135
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040135-01
CLIENT SAMPLE ID	Trip Blanks-210426	DATE RECEIVED:	04/26/2021
		COLLECTION DATE:	4/26/2021
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	04/27/2021	KLS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	92.4	04/27/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040135
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040135-02
CLIENT SAMPLE ID	SW-5a	DATE RECEIVED:	04/26/2021
		COLLECTION DATE:	4/26/2021 3:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/27/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/27/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/27/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Antimony	EPA-6020	U	0.20	1	MG/KG	04/27/2021	EBS
Arsenic	EPA-6020	3.8	0.20	1	MG/KG	04/27/2021	EBS
Lead	EPA-6020	4.7	0.50	1	MG/KG	04/27/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	82.4	04/27/2021	KLS
C25	NWTPH-DX	87.9	04/27/2021	JNF
Terphenyl-d14	EPA-8270 SIM	147	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040135
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042721S - Batch 165124 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	04/27/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-042721W - Batch 165125 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	04/27/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042721S - Batch 165196 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	04/27/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	04/27/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042721S - Batch 165185 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK

SURROGATE	METHOD	%REC	CONTROL LIMITS		ANALYSIS DATE	ANALYSIS BY
			MIN	MAX		
Terphenyl-d14	EPA-8270 SIM	165 GS4	28.9	157	04/28/2021	JMK

GS4 - Surrogate outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042721S - Batch 165151 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.20	04/27/2021	EBS
Arsenic	EPA-6020	U	MG/KG	0.20	04/27/2021	EBS
Lead	EPA-6020	U	MG/KG	0.50	04/27/2021	EBS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/28/2021
130 - 2nd Ave. S. ALS SDG#: EV21040135
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MB-042721S - Batch 165151 - Soil by EPA-6020

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040135
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165124 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.6			66.5	122.7	04/27/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	91.5	2		66.5	122.7	04/27/2021	KLS

ALS Test Batch ID: 165125 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	92.7			66.5	122.7	04/27/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	96.3	4		66.5	122.7	04/27/2021	KLS

ALS Test Batch ID: 165196 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	106			75.5	122.1	04/28/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	108	2		75.5	122.1	04/27/2021	JNF

ALS Test Batch ID: 165185 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	76.6			20	150	04/28/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	89.2	15		20	150	04/28/2021	JMK
Chrysene - BS	EPA-8270 SIM	111			20	150	04/28/2021	JMK
Chrysene - BSD	EPA-8270 SIM	120	7		20	150	04/28/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	81.5			20	150	04/28/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	92.6	13		20	150	04/28/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	102			20	150	04/28/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	108	5		20	150	04/28/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	96.3			20	150	04/28/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	109	12		20	150	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	97.0			20	150	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	105	8		20	150	04/28/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	84.8			20	150	04/28/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	91.5	8		20	150	04/28/2021	JMK

ALS Test Batch ID: 165151 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	96.1			80	120	04/27/2021	EBS
Antimony - BSD	EPA-6020	93.6	3		80	120	04/27/2021	EBS
Arsenic - BS	EPA-6020	98.0			80	120	04/27/2021	EBS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/28/2021
130 - 2nd Ave. S. ALS SDG#: EV21040135
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	94.5	4		80	120	04/27/2021	EBS
Lead - BS	EPA-6020	97.4			80	120	04/27/2021	EBS
Lead - BSD	EPA-6020	95.3	2		80	120	04/27/2021	EBS

APPROVED BY

Laboratory Director



LANDAU
ASSOCIATES

Chain-of-Custody Record

Bill POE directly

EV21040135

Seattle/Edmonds (425) 778-0907 Spokane (509) 327-9737
 Tacoma (253) 926-2493 Portland (503) 542-1080

Date 4/26/21 Turnaround Time: 24 hrs
 Page 1 of 1
 Standard Accelerated

Project Name Amenon-Hulbert Project No. 0147029.500.992
 Project Location/Event Part of Everett / Final Cleanup
 Sampler's Name Brittany McManus
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer and Dani Jorgensen

Testing Parameters

Mets EPA Method 8220 *
 TPH-D (Method NHTH-DX)
 TPH-G (Method NHTH-G)
 C PHE EPA Method 8220-SM

Sample I.D.	Date	Time	Matrix	No. of Containers
<u>1</u> <u>Tripblanks - 210426</u>	<u>4/26/21</u>	<u>15:15</u>	<u>AQ</u>	<u>2</u>
<u>2</u> <u>SW-5a</u>			<u>S:1</u>	<u>2</u>

Special Handling Requirements: _____
 Shipment Method: Dry OFF
 Stored on ice: Yes / No

Observations/Comments
 Allow water samples to settle, collect aliquot from clear portion
 NWTPH-Dx - Acid wash cleanup
 - Silica gel cleanup
 Dissolved metal samples were field filtered

Other * Antimony, arsenic, and lead

Relinquished by
 Signature [Signature]
 Printed Name Brittany McManus
 Company Landau Associates, Inc
 Date 4/26/21 Time 15:50

Received by
 Signature [Signature]
 Printed Name Glen Perry
 Company ALS
 Date 4/26/21 Time 15:50

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau ALS Job #: EV21040135

Project: Ameron-Hulbert 0147029-~~900~~-500-992

Received Date: 4/26/21 Received Time: 15:50 By: MAP

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

1 high kit

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: none

Temperature of cooler upon receipt: 9.2°C on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



April 28, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On April 27th, 6 samples were received by our laboratory and assigned our laboratory project number EV21040143. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/28/2021
130 - 2nd Ave. S. ALS JOB#: EV21040143
Edmonds, WA 98020 ALS SAMPLE#: EV21040143-01
CLIENT CONTACT: Dylan Frazer DATE RECEIVED: 04/27/2021
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992 COLLECTION DATE: 4/27/2021
CLIENT SAMPLE ID: Trip Blanks-210427 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	04/27/2021	KLS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	102	04/27/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040143-02
CLIENT SAMPLE ID	BS-9	DATE RECEIVED:	04/27/2021
		COLLECTION DATE:	4/27/2021 2:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/27/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/28/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Antimony	EPA-6020	U	0.20	1	MG/KG	04/27/2021	EBS
Arsenic	EPA-6020	5.1	0.20	1	MG/KG	04/27/2021	EBS
Lead	EPA-6020	7.0	0.50	1	MG/KG	04/27/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	70.2	04/27/2021	KLS
C25	NWTPH-DX	91.1	04/28/2021	JNF
Terphenyl-d14	EPA-8270 SIM	160 GS4	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

GS4 - Surrogate outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040143-03
CLIENT SAMPLE ID	SW-9	DATE RECEIVED:	04/27/2021
		COLLECTION DATE:	4/27/2021 2:55:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/27/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	04/28/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/28/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	23	20	1	UG/KG	04/28/2021	JMK
Chrysene	EPA-8270 SIM	25	20	1	UG/KG	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	26	20	1	UG/KG	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	21	20	1	UG/KG	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Antimony	EPA-6020	U	0.20	1	MG/KG	04/27/2021	EBS
Arsenic	EPA-6020	6.1	0.20	1	MG/KG	04/27/2021	EBS
Lead	EPA-6020	6.5	0.50	1	MG/KG	04/27/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	76.8	04/27/2021	KLS
C25	NWTPH-DX w/ SGA	103	04/28/2021	JNF
C25	NWTPH-DX	107	04/28/2021	JNF
Terphenyl-d14	EPA-8270 SIM	134	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040143-04
CLIENT SAMPLE ID	SW-10	DATE RECEIVED:	04/27/2021
		COLLECTION DATE:	4/27/2021 3:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/27/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/28/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Antimony	EPA-6020	U	0.20	1	MG/KG	04/27/2021	EBS
Arsenic	EPA-6020	4.7	0.20	1	MG/KG	04/27/2021	EBS
Lead	EPA-6020	5.5	0.50	1	MG/KG	04/27/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	75.3	04/27/2021	KLS
C25	NWTPH-DX	89.8	04/28/2021	JNF
Terphenyl-d14	EPA-8270 SIM	151	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040143-05
CLIENT SAMPLE ID	SW-11	DATE RECEIVED:	04/27/2021
		COLLECTION DATE:	4/27/2021 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/27/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/28/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Antimony	EPA-6020	U	0.20	1	MG/KG	04/27/2021	EBS
Arsenic	EPA-6020	5.3	0.20	1	MG/KG	04/27/2021	EBS
Lead	EPA-6020	6.0	0.50	1	MG/KG	04/27/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.3	04/27/2021	KLS
C25	NWTPH-DX	92.2	04/28/2021	JNF
Terphenyl-d14	EPA-8270 SIM	146	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21040143-06
CLIENT SAMPLE ID	BS-10	DATE RECEIVED:	04/27/2021
		COLLECTION DATE:	4/27/2021 3:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	04/28/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	04/28/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	04/28/2021	JMK
Antimony	EPA-6020	U	0.20	1	MG/KG	04/27/2021	EBS
Arsenic	EPA-6020	4.8	0.20	1	MG/KG	04/27/2021	EBS
Lead	EPA-6020	5.4	0.50	1	MG/KG	04/27/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	77.3	04/28/2021	KLS
C25	NWTPH-DX	106	04/28/2021	JNF
Terphenyl-d14	EPA-8270 SIM	141	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-042721S - Batch 165124 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	04/27/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-042721W - Batch 165125 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	04/27/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042821S - Batch 165212 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	04/28/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	04/28/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042821S - Batch 165192 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	04/28/2021	JMK

SURROGATE	METHOD	%REC	CONTROL LIMITS		ANALYSIS DATE	ANALYSIS BY
			MIN	MAX		
Terphenyl-d14	EPA-8270 SIM	167 GS\$	28.9	157	04/28/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-042721S - Batch 165151 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.20	04/27/2021	EBS
Arsenic	EPA-6020	U	MG/KG	0.20	04/27/2021	EBS
Lead	EPA-6020	U	MG/KG	0.50	04/27/2021	EBS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/28/2021
130 - 2nd Ave. S. ALS SDG#: EV21040143
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MB-042721S - Batch 165151 - Soil by EPA-6020

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	4/28/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21040143
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165124 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.6			66.5	122.7	04/27/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	91.5	2		66.5	122.7	04/27/2021	KLS

ALS Test Batch ID: 165125 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	92.7			66.5	122.7	04/27/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	96.3	4		66.5	122.7	04/27/2021	KLS

ALS Test Batch ID: 165212 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	112			75.5	122.1	04/28/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	112	1		75.5	122.1	04/28/2021	JNF

ALS Test Batch ID: 165192 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	86.6			20	150	04/28/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	82.6	5		20	150	04/28/2021	JMK
Chrysene - BS	EPA-8270 SIM	117			20	150	04/28/2021	JMK
Chrysene - BSD	EPA-8270 SIM	116	0		20	150	04/28/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	86.5			20	150	04/28/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	84.0	3		20	150	04/28/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	106			20	150	04/28/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	108	2		20	150	04/28/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	86.9			20	150	04/28/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	104	18		20	150	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	105			20	150	04/28/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	105	1		20	150	04/28/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	92.0			20	150	04/28/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	93.4	1		20	150	04/28/2021	JMK

ALS Test Batch ID: 165151 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	96.1			80	120	04/27/2021	EBS
Antimony - BSD	EPA-6020	93.6	3		80	120	04/27/2021	EBS
Arsenic - BS	EPA-6020	98.0			80	120	04/27/2021	EBS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 4/28/2021
130 - 2nd Ave. S. ALS SDG#: EV21040143
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Arsenic - BSD, Lead - BS, and Lead - BSD.

APPROVED BY

[Handwritten signature]

Laboratory Director

6/21040143

Bill POE directly



Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907 Spokane (509) 327-9737
 Tacoma (253) 926-2493 Portland (503) 542-1080

Turnaround Time: Standard _____ Accelerated 24 hrs
 Date 4/27/21 Page 1 of 1

Project Name Amezon-Hulbert Project No. 0147029.500.992
 Project Location/Event Port of Everett / Final Cleanup
 Sampler's Name Brittany McManis
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer and Dani Jorgensen

Special Handling Requirements:
 Shipment Method: Drop off
 Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	No. of Containers	Meq/L EPA Method 6020*	TPH-D (Method NWTPH-DX)	TPH-G (Method NWTPH-G)	CRPHS EPA Method 8270-SIM	Other
1 Trip blanks - 210427	—	—	AG	2	X	X	X	X	
2 BS-9	4/27/21	1440	Soil	2	X	X	X	X	Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/>
3 SW-9	4/27/21	1455	Soil	2	X	X	X	X	NWTPH-Dx - Acid wash cleanup <input type="checkbox"/>
4 SW-10	4/27/21	1510	Soil	2	X	X	X	X	- Silica gel cleanup <input type="checkbox"/>
5 SW-11	4/27/21	1530	Soil	2	X	X	X	X	Dissolved metal samples were field filtered
6 BS-10	4/27/21	1550	Soil	2	X	X	X	X	

Testing Parameters
 Run with lead in tank
 Run with lead in tank

Relinquished by	Received by	Relinquished by	Received by
Signature <u>[Signature]</u>	Signature <u>Ken Perry</u>	Signature _____	Signature _____
Printed Name <u>Brittany McManis</u>	Printed Name <u>Ken Perry</u>	Printed Name _____	Printed Name _____
Company <u>Landau Associates, Inc.</u>	Company <u>ALS</u>	Company _____	Company _____
Date <u>4/27/21</u> Time <u>1630</u>	Date <u>4/27/21</u> Time <u>16150</u>	Date _____ Time _____	Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landan

ALS Job #: EV21040143

Project: Ameron-Hulbert 014 7029, 500, 992

Received Date: 4/27/21 Received Time: 16:30 By: MAP

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

5 high kits

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: None

Temperature of cooler upon receipt: 6.7°C Cold Cool Ambient N/A

Explain any discrepancies: on Ice

Was client contacted? Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



May 6, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On May 4th, 7 samples were received by our laboratory and assigned our laboratory project number EV21050015. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/6/2021
130 - 2nd Ave. S. ALS JOB#: EV21050015
Edmonds, WA 98020 ALS SAMPLE#: EV21050015-01
CLIENT CONTACT: Dylan Frazer DATE RECEIVED: 05/04/2021
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992 COLLECTION DATE: 5/4/2021
CLIENT SAMPLE ID Trip Blanks-210504 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	05/05/2021	KLS
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	103				05/05/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050015-02
CLIENT SAMPLE ID	SW-12	DATE RECEIVED:	05/04/2021
		COLLECTION DATE:	5/4/2021 3:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/05/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	36	25	1	MG/KG	05/05/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	32	25	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	94	50	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	74	50	1	MG/KG	05/05/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	54	20	1	UG/KG	05/05/2021	JMK
Chrysene	EPA-8270 SIM	63	20	1	UG/KG	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	73	20	1	UG/KG	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	28	20	1	UG/KG	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	71	20	1	UG/KG	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	55	20	1	UG/KG	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Antimony	EPA-6020	4.0	0.50	1	MG/KG	05/05/2021	EBS
Arsenic	EPA-6020	10	0.20	1	MG/KG	05/05/2021	EBS
Lead	EPA-6020	12	0.50	1	MG/KG	05/05/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	66.9	05/05/2021	KLS
C25	NWTPH-DX	131	05/05/2021	JNF
C25	NWTPH-DX w/ SGA	114	05/05/2021	JNF
Terphenyl-d14	EPA-8270 SIM	110	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050015-03
CLIENT SAMPLE ID	SW-13	DATE RECEIVED:	05/04/2021
		COLLECTION DATE:	5/4/2021 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/05/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	05/05/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/05/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Antimony	EPA-6020	2.0	0.50	1	MG/KG	05/05/2021	EBS
Arsenic	EPA-6020	8.7	0.20	1	MG/KG	05/05/2021	EBS
Lead	EPA-6020	9.5	0.50	1	MG/KG	05/05/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	69.7	05/05/2021	KLS
C25	NWTPH-DX w/ SGA	103	05/05/2021	JNF
C25	NWTPH-DX	101	05/05/2021	JNF
Terphenyl-d14	EPA-8270 SIM	95.9	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050015-04
CLIENT SAMPLE ID	SW-14	DATE RECEIVED:	05/04/2021
		COLLECTION DATE:	5/4/2021 3:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/05/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/05/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/05/2021	EBS
Arsenic	EPA-6020	5.1	0.20	1	MG/KG	05/05/2021	EBS
Lead	EPA-6020	6.1	0.50	1	MG/KG	05/05/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	88.4	05/05/2021	KLS
C25	NWTPH-DX	89.4	05/05/2021	JNF
Terphenyl-d14	EPA-8270 SIM	102	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050015-05
CLIENT SAMPLE ID	SW-15	DATE RECEIVED:	05/04/2021
		COLLECTION DATE:	5/4/2021 4:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/05/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/05/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Antimony	EPA-6020	4.0	0.50	1	MG/KG	05/05/2021	EBS
Arsenic	EPA-6020	6.6	0.20	1	MG/KG	05/05/2021	EBS
Lead	EPA-6020	9.7	0.50	1	MG/KG	05/05/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	69.7	05/05/2021	KLS
C25	NWTPH-DX	94.0	05/05/2021	JNF
Terphenyl-d14	EPA-8270 SIM	101	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050015-06
CLIENT SAMPLE ID	SW-16	DATE RECEIVED:	05/04/2021
		COLLECTION DATE:	5/4/2021 4:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/05/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/05/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/05/2021	JMK
Antimony	EPA-6020	2.6	0.50	1	MG/KG	05/05/2021	EBS
Arsenic	EPA-6020	6.9	0.20	1	MG/KG	05/05/2021	EBS
Lead	EPA-6020	7.4	0.50	1	MG/KG	05/05/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	75.1	05/05/2021	KLS
C25	NWTPH-DX	108	05/05/2021	JNF
Terphenyl-d14	EPA-8270 SIM	105	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050015-07
CLIENT SAMPLE ID	BS-11	DATE RECEIVED:	05/04/2021
		COLLECTION DATE:	5/4/2021 4:25:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.5	1	MG/KG	05/05/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	120	25	1	MG/KG	05/05/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX	140	25	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	320	50	1	MG/KG	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	370	50	1	MG/KG	05/05/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	120	20	1	UG/KG	05/05/2021	JMK
Chrysene	EPA-8270 SIM	130	20	1	UG/KG	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	130	20	1	UG/KG	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	45	20	1	UG/KG	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	140	20	1	UG/KG	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	86	20	1	UG/KG	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	22	20	1	UG/KG	05/05/2021	JMK
Antimony	EPA-6020	1.4	0.50	1	MG/KG	05/05/2021	EBS
Arsenic	EPA-6020	17	0.20	1	MG/KG	05/05/2021	EBS
Lead	EPA-6020	21	0.50	1	MG/KG	05/05/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	54.9 PHC10	05/05/2021	KLS
C25	NWTPH-DX w/ SGA	81.8	05/05/2021	JNF
C25	NWTPH-DX	90.8	05/05/2021	JNF
Terphenyl-d14	EPA-8270 SIM	93.4	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 PHC10 -Gasoline range reporting limit raised due to low percent solids in sample.
 Chromatogram indicates that it is likely that sample contains light oil/lube oil.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/6/2021
 130 - 2nd Ave. S. ALS SDG#: EV21050015
 Edmonds, WA 98020 WDOE ACCREDITATION: C601

CLIENT CONTACT: Dylan Frazer
 CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MBG-050521S - Batch 165460 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	05/05/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-050521W - Batch 165479 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	05/05/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-050521S - Batch 165468 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	05/05/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	05/05/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-050521S - Batch 165455 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/05/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-050521S - Batch 165476 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	05/05/2021	EBS
Arsenic	EPA-6020	U	MG/KG	0.20	05/05/2021	EBS
Lead	EPA-6020	U	MG/KG	0.50	05/05/2021	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/6/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050015
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165460 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.4			66.5	122.7	05/05/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	93.9	1		66.5	122.7	05/05/2021	KLS

ALS Test Batch ID: 165479 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	90.0			66.5	122.7	05/05/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	96.4	7		66.5	122.7	05/05/2021	KLS

ALS Test Batch ID: 165468 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	92.1			75.5	122.1	05/05/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	94.2	2		75.5	122.1	05/05/2021	JNF

ALS Test Batch ID: 165455 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	82.0			20	150	05/05/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	89.9	9		20	150	05/05/2021	JMK
Chrysene - BS	EPA-8270 SIM	108			20	150	05/05/2021	JMK
Chrysene - BSD	EPA-8270 SIM	113	5		20	150	05/05/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	84.3			20	150	05/05/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	90.4	7		20	150	05/05/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	89.3			20	150	05/05/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	95.9	7		20	150	05/05/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	95.7			20	150	05/05/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	104	8		20	150	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	74.8			20	150	05/05/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	79.8	6		20	150	05/05/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	95.6			20	150	05/05/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	104	8		20	150	05/05/2021	JMK

ALS Test Batch ID: 165476 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	102			80	120	05/05/2021	EBS
Antimony - BSD	EPA-6020	99.7	2		80	120	05/05/2021	EBS
Arsenic - BS	EPA-6020	100			80	120	05/05/2021	EBS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/6/2021
130 - 2nd Ave. S. ALS SDG#: EV21050015
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Arsenic - BSD, Lead - BS, and Lead - BSD.

APPROVED BY

Handwritten signature of laboratory director

Laboratory Director

EV21050015

Bill POE directly

LA LANDAU ASSOCIATES
Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 926-2493
 Spokane (509) 327-9737
 Portland (503) 542-1080

Turnaround Time: Standard _____ Accelerated 24hrs
 Date 5/4/21 Page 1 of 1

Project Name Ameson - Holbert Project No. 0147029.500.992
 Project Location/Event Port of Everett / Final Cleanup
 Sampler's Name Brittany McManis
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer and Dani Jorgensen

Testing Parameters

Run without 35°C

Sample I.D.	Date	Time	Matrix	No. of Containers	Methods EPH Method 602*	TPH-5 (Method NWTPH-Px)	TPH-5 (Method NWTPH-G)	TPH-5 (Method NWTPH-G)	TPH-5 (Method NWTPH-G)	TPH-5 (Method NWTPH-G)	TPH-5 (Method NWTPH-G)
Trip Blanks - 210504	—	—	AQ	2	X	X	X	X	X	X	X
SW-12	5/4/21	1515	Soil	2	X	X	X	X	X	X	X
SW-13	5/4/21	1530	Soil	2	X	X	X	X	X	X	X
SW-14	5/4/21	1545	Soil	2	X	X	X	X	X	X	X
SW-15	5/4/21	1600	Soil	2	X	X	X	X	X	X	X
SW-16	5/4/21	1610	Soil	2	X	X	X	X	X	X	X
BS-11	5/4/21	1625	Soil	2	X	X	X	X	X	X	X

Special Handling Requirements: _____
 Shipment Method: Drop OFF
 Stored on ice: Yes / No

Observations/Comments
 — Allow water samples to settle, collect aliquot from clear portion
 — NWTPH-Dx - Acid wash cleanup
 — Silica gel cleanup
 — Dissolved metal samples were field filtered

Other *Antimony, arsenic, and lead

Relinquished by	Received by
Signature <u>Brittany McManis</u> Printed Name <u>Brittany McManis</u> Company <u>Landau Associates, Inc.</u> Date <u>5/4/21</u> Time <u>1654</u>	Signature <u>Dan Parn</u> Printed Name <u>Colin Perry</u> Company <u>ALS</u> Date <u>5/4/21</u> Time <u>1635</u>

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau

ALS Job #: EV21050015

Project: Ameron-Hulbert

Received Date: 5/04/2021 Received Time: 1654 By: GAP/SMH/CN

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

6 high kits here

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: none

Temperature of cooler upon receipt: 14.4 °C Cold Ambient N/A
on ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



May 7, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On May 5th, 9 samples were received by our laboratory and assigned our laboratory project number EV21050023. The project was identified as your Ameron-Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-01
CLIENT SAMPLE ID	Trip Blanks-210505	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	05/05/2021	KLS
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	107				05/05/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-02
CLIENT SAMPLE ID	BS-12	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 2:05:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	120	25	1	MG/KG	05/06/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	110	25	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	270	50	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	220	50	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	360	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	370	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	300	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	110	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	370	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	170	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	58	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	1.5	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	15	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	17	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	136	05/06/2021	KLS
C25	NWTPH-DX	146 SUR08	05/06/2021	JNF
C25	NWTPH-DX w/ SGA	128	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	111	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 SUR08 -Surrogate recovery is unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-03
CLIENT SAMPLE ID	BS-13	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 2:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U, F2	26	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U, F2	51	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	190	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	220	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	220	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	88	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	250	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	180	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	32	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	7.7	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	8.8	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	56.4 SUR12	05/06/2021	KLS
C25	NWTPH-DX	99.6	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	98.1	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 SUR12 - Surrogate recoveries were outside of the control limits due to matrix interference.
 F2 - Reporting limit for compound raised due to low percent solids.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-04
CLIENT SAMPLE ID	SW-17	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 2:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U, F2	30	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U, F2	59	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	9.3	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	12	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	77.2	05/06/2021	KLS
C25	NWTPH-DX	112	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	103	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 F2 - Reporting limit for compound raised due to low percent solids.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-05
CLIENT SAMPLE ID	SW-18	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 2:55:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	25	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	31	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	30	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	32	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	20	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	5.3	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	6.0	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.1	05/06/2021	KLS
C25	NWTPH-DX	112	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	120	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-06
CLIENT SAMPLE ID	SW-19	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 3:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	25	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	27	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	25	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	25	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	0.79	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	13	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	8.2	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	86.9	05/06/2021	KLS
C25	NWTPH-DX	118	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	106	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-07
CLIENT SAMPLE ID	BS-14	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	4.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	440	25	1	MG/KG	05/06/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	420	25	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	390	50	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	260	50	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	76	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	79	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	78	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	25	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	85	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	43	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	15	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	18	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	58.1 PHC10	05/06/2021	KLS
C25	NWTPH-DX	96.7	05/06/2021	JNF
C25	NWTPH-DX w/ SGA	87.0	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	84.2	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 PHC10 -Gasoline range reporting limit raised due to low percent solids in sample.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-08
CLIENT SAMPLE ID	SW-20	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 3:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	26	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	37	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	40	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	38	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	28	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	11	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	8.9	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	78.1	05/06/2021	KLS
C25	NWTPH-DX	110	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	103	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050023-09
CLIENT SAMPLE ID	SW-21	DATE RECEIVED:	05/05/2021
		COLLECTION DATE:	5/5/2021 4:05:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/06/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/06/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	130	20	1	UG/KG	05/06/2021	JMK
Chrysene	EPA-8270 SIM	130	20	1	UG/KG	05/06/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	130	20	1	UG/KG	05/06/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	48	20	1	UG/KG	05/06/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	130	20	1	UG/KG	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	71	20	1	UG/KG	05/06/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/06/2021	JMK
Antimony	EPA-6020	0.94	0.50	1	MG/KG	05/07/2021	RAL
Arsenic	EPA-6020	7.0	0.20	1	MG/KG	05/07/2021	RAL
Lead	EPA-6020	8.6	0.10	1	MG/KG	05/07/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	68.2	05/06/2021	KLS
C25	NWTPH-DX	106	05/06/2021	JNF
Terphenyl-d14	EPA-8270 SIM	93.9	05/06/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/7/2021
 130 - 2nd Ave. S. ALS SDG#: EV21050023
 Edmonds, WA 98020 WDOE ACCREDITATION: C601

CLIENT CONTACT: Dylan Frazer
 CLIENT PROJECT: Ameron-Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MBG-050621S - Batch 165478 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	05/06/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-050521W - Batch 165479 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	05/05/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-050621S - Batch 165517 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	05/06/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	05/06/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-050621S - Batch 165514 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/07/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-050721S - Batch 165557 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	05/07/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	05/07/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	05/07/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/7/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050023
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165478 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	97.2			66.5	122.7	05/06/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	99.2	2		66.5	122.7	05/06/2021	KLS

ALS Test Batch ID: 165479 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	90.0			66.5	122.7	05/05/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	96.4	7		66.5	122.7	05/05/2021	KLS

ALS Test Batch ID: 165517 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	95.3			75.5	122.1	05/06/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	94.2	1		75.5	122.1	05/06/2021	JNF

ALS Test Batch ID: 165514 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	71.3			20	150	05/06/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	66.3	7		20	150	05/06/2021	JMK
Chrysene - BS	EPA-8270 SIM	106			20	150	05/06/2021	JMK
Chrysene - BSD	EPA-8270 SIM	97.7	9		20	150	05/06/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	75.4			20	150	05/06/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	70.9	6		20	150	05/06/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	102			20	150	05/06/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	90.1	12		20	150	05/06/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	89.9			20	150	05/06/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	83.1	8		20	150	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	88.2			20	150	05/06/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	82.7	6		20	150	05/06/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	76.4			20	150	05/06/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	72.0	6		20	150	05/06/2021	JMK

ALS Test Batch ID: 165557 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	97.0			80	120	05/07/2021	RAL
Antimony - BSD	EPA-6020	96.8	0		80	120	05/07/2021	RAL
Arsenic - BS	EPA-6020	98.0			80	120	05/07/2021	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 5/7/2021 ALS SDG#: EV21050023 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Ameron-Hulbert - 0147029.500.992	

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	97.9	0		80	120	05/07/2021	RAL
Lead - BS	EPA-6020	98.3			80	120	05/07/2021	RAL
Lead - BSD	EPA-6020	95.8	3		80	120	05/07/2021	RAL

APPROVED BY



Laboratory Director



Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 926-2493

Spokane (509) 327-9737
 Portland (503) 542-1080

Date 5/5/21
 Page 1 of 1

Turnaround Time:
 Standard
 Accelerated 24 hrs

EV210500 23

Bill POE directly

Project Name: Amazon-Hulkert Project No. 0MT029, 500, 992
 Project Location/Event: Port of Everett / Final Cleanup
 Sampler's Name: Brittany McManus
 Project Contact: Dylan Frazer
 Send Results To: D. Frazer and Dana Jurgensen

Testing Parameters

*Metals EPA Method 6020 **
 TPH-D (Method NWTPH-G) X
 TPH-G (Method NWTPH-G) X
 PAHs (EPA Method 8270-SM) Run with and without

Sample I.D.	Date	Time	Matrix	No. of Containers	TPH-D (Method NWTPH-G)	TPH-G (Method NWTPH-G)	PAHs (EPA Method 8270-SM)	Observations/Comments
Trip Blanks - 210505	---	---	AGX	2	X	X		
BS-12	5/5/21	1405	Soil	2	X	X		
BS-13	5/5/21	1420	Soil	2	X	X		
SW-17	5/5/21	1440	Soil	2	X	X		
SW-18	5/5/21	1455	Soil	2	X	X		
SW-19	5/5/21	1515	Soil	2	X	X		
BS-14	5/5/21	1530	Soil	2	X	X		
SW-20	5/5/21	1550	Soil	2	X	X		
SW-21	5/5/21	1605	Soil	2	X	X		

Special Handling Requirements:

Shipment Method: Dropoff
 Stored on ice: Yes / No

Observations/Comments

Allow water samples to settle, collect aliquot from clear portion
 NWTPH-Dx - Acid wash cleanup
 - Silica gel cleanup

Dissolved metal samples were field filtered

Other

* Antimony, arsenic, and lead

Relinquished by: Brittany McManus
 Signature
 Printed Name
 Company Landau Associates, Inc
 Date 5/5/21 Time 1641

Received by: Dylan Frazer
 Signature
 Printed Name
 Company ALS
 Date 5/5/21 Time 1634

Relinquished by:
 Signature
 Printed Name
 Company
 Date
 Time

Received by:
 Signature
 Printed Name
 Company
 Date
 Time

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: London

ALS Job #: ENV50023

Project: Ameron - N/W part

Received Date: 5/5/21 Received Time: 16:41 By: MAO

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	Yes	No	N/A
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

8 high kits

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: None

Temperature of cooler upon receipt: 9.3°C Cold Cool Ambient N/A

on Ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



May 12, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On May 11th, 5 samples were received by our laboratory and assigned our laboratory project number EV21050041. The project was identified as your Ameron/Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/12/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050041
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050041-01
CLIENT SAMPLE ID	BS-12a	DATE RECEIVED:	05/11/2021
		COLLECTION DATE:	5/11/2021 8:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/11/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/11/2021	EBS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	05/11/2021	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Antimony	EPA-6020	0.15	0.10	1	MG/KG	05/11/2021	RAL
Arsenic	EPA-6020	5.8	0.20	1	MG/KG	05/11/2021	RAL
Lead	EPA-6020	7.6	0.10	1	MG/KG	05/11/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	75.4	05/11/2021	KLS
C25	NWTPH-DX	106	05/11/2021	EBS
C25	NWTPH-DX w/ SGA	117	05/11/2021	EBS
Terphenyl-d14	EPA-8270 SIM	104	05/12/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/12/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050041
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050041-02
CLIENT SAMPLE ID	BS-11a	DATE RECEIVED:	05/11/2021
		COLLECTION DATE:	5/11/2021 8:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/11/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/11/2021	EBS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	05/11/2021	EBS
Benzo[A]Anthracene	EPA-8270 SIM	27	20	1	UG/KG	05/12/2021	JMK
Chrysene	EPA-8270 SIM	33	20	1	UG/KG	05/12/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	25	20	1	UG/KG	05/12/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	31	20	1	UG/KG	05/12/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/12/2021	JMK
Antimony	EPA-6020	U	0.10	1	MG/KG	05/11/2021	RAL
Arsenic	EPA-6020	6.3	0.20	1	MG/KG	05/11/2021	RAL
Lead	EPA-6020	7.7	0.10	1	MG/KG	05/11/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	79.4	05/11/2021	KLS
C25	NWTPH-DX	119	05/11/2021	EBS
C25	NWTPH-DX w/ SGA	124	05/11/2021	EBS
Terphenyl-d14	EPA-8270 SIM	115	05/12/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/12/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050041
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050041-03
CLIENT SAMPLE ID	BS-13a	DATE RECEIVED:	05/11/2021
		COLLECTION DATE:	5/11/2021 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.5	1	MG/KG	05/11/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	710	50	2	MG/KG	05/11/2021	EBS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	770	50	2	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	1600	100	2	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	1700	100	2	MG/KG	05/11/2021	EBS
Benzo[A]Anthracene	EPA-8270 SIM	110	20	1	UG/KG	05/12/2021	JMK
Chrysene	EPA-8270 SIM	190	20	1	UG/KG	05/12/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	200	20	1	UG/KG	05/12/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	71	20	1	UG/KG	05/12/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	180	20	1	UG/KG	05/12/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	140	20	1	UG/KG	05/12/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	35	20	1	UG/KG	05/12/2021	JMK
Antimony	EPA-6020	0.35	0.10	1	MG/KG	05/11/2021	RAL
Arsenic	EPA-6020	12	0.20	1	MG/KG	05/11/2021	RAL
Lead	EPA-6020	33	0.10	1	MG/KG	05/11/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	66.9	05/11/2021	KLS
C25 2X Dilution	NWTPH-DX	128	05/11/2021	EBS
C25 2X Dilution	NWTPH-DX w/ SGA	127	05/11/2021	EBS
Terphenyl-d14	EPA-8270 SIM	93.3	05/12/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains light oil/lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/12/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050041
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050041-04
CLIENT SAMPLE ID	SW-21a	DATE RECEIVED:	05/11/2021
		COLLECTION DATE:	5/11/2021 11:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/11/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	40	25	1	MG/KG	05/11/2021	EBS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	54	50	1	MG/KG	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	05/11/2021	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/11/2021	JMK
Antimony	EPA-6020	U	0.10	1	MG/KG	05/11/2021	RAL
Arsenic	EPA-6020	5.3	0.20	1	MG/KG	05/11/2021	RAL
Lead	EPA-6020	7.2	0.10	1	MG/KG	05/11/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	79.8	05/11/2021	KLS
C25	NWTPH-DX	130	05/11/2021	EBS
C25	NWTPH-DX w/ SGA	130	05/11/2021	EBS
Terphenyl-d14	EPA-8270 SIM	90.0	05/11/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/12/2021
130 - 2nd Ave. S. ALS JOB#: EV21050041
Edmonds, WA 98020 ALS SAMPLE#: EV21050041-05
CLIENT CONTACT: Dylan Frazer DATE RECEIVED: 05/11/2021
CLIENT PROJECT: Ameron/Hulbert - 0147029.500.992 COLLECTION DATE: 5/11/2021
CLIENT SAMPLE ID Trip Blanks-210511 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

Table with 8 columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Row 1: TPH-Volatile Range (C5-C12), NWTPH-GX, U, 50, 1, UG/L, 05/12/2021, KLS

Table with 5 columns: SURROGATE, METHOD, %REC, ANALYSIS DATE, ANALYSIS BY. Row 1: TFT, NWTPH-GX, 103, 05/12/2021, KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/12/2021
 130 - 2nd Ave. S. ALS SDG#: EV21050041
 Edmonds, WA 98020 WDOE ACCREDITATION: C601

CLIENT CONTACT: Dylan Frazer
 CLIENT PROJECT: Ameron/Hulbert - 0147029.500.992

LABORATORY BLANK RESULTS

MBG-051121S - Batch 165687 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	05/11/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-051221W - Batch 165710 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	05/12/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051121S - Batch 165663 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	05/11/2021	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	05/11/2021	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051121S - Batch 165665 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/11/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051121S - Batch 165667 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	05/11/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	05/11/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	05/11/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/12/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050041
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165687 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	92.4			66.5	122.7	05/11/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	93.5	1		66.5	122.7	05/11/2021	KLS

ALS Test Batch ID: 165710 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	96.7			66.5	122.7	05/12/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	96.2	1		66.5	122.7	05/12/2021	KLS

ALS Test Batch ID: 165663 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	108			75.5	122.1	05/11/2021	EBS
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	112	4		75.5	122.1	05/11/2021	EBS

ALS Test Batch ID: 165665 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	60.3			20	150	05/12/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	76.6	24		20	150	05/12/2021	JMK
Chrysene - BS	EPA-8270 SIM	88.8			20	150	05/12/2021	JMK
Chrysene - BSD	EPA-8270 SIM	98.6	10		20	150	05/12/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	62.4			20	150	05/12/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	75.4	19		20	150	05/12/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	76.1			20	150	05/12/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	84.2	10		20	150	05/12/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	77.0			20	150	05/12/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	90.6	16		20	150	05/12/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	90.0			20	150	05/12/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	108	18		20	150	05/12/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	80.2			20	150	05/12/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	97.3	19		20	150	05/12/2021	JMK

ALS Test Batch ID: 165667 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	96.3			80	120	05/11/2021	RAL
Antimony - BSD	EPA-6020	96.5	0		80	120	05/11/2021	RAL
Arsenic - BS	EPA-6020	98.6			80	120	05/11/2021	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 5/12/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#: EV21050041
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	99.7	1		80	120	05/11/2021	RAL
Lead - BS	EPA-6020	96.2			80	120	05/11/2021	RAL
Lead - BSD	EPA-6020	97.5	1		80	120	05/11/2021	RAL

APPROVED BY



Laboratory Director

EV21050041

Bill POE directly

Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907 Spokane (509) 327-9737
 Tacoma (253) 926-2493 Portland (503) 542-1080

Turnaround Time: Standard _____ Accelerated 24 hrs

Date 5/11/21 Page 1 of 1

Project Name Ameron / Hulbert Project No. 0147029, 509, 442
 Project Location/Event Port of Everett / Final Cleanup
 Sampler's Name Sam Bartish
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer & Dan Jurgens

Special Handling Requirements: _____
 Shipment Method: Dry JFP
 Stored on ice: Yes / No

Testing Parameters

*Mats EPA 6000 * 0200*

TPH-D (NMTM-D)	x	x	x	x	x
TPH-C (NMTM-L)	x	x	x	x	x
CPHS EPA 8270 SW	x	x	x	x	x
Rem with 4 metal SLC	x	x	x	x	x

Sample I.D.	Date	Time	Matrix	No. of Containers	Observations/Comments
1 BS-12a	5/11/21	820	Soil	2	
2 BS-11a	↓	830	Soil	2	
3 BS-13a	↓	1030	Soil	2	
4 BS-21a	↓	1100	Soil	2	
5 Trip Blank 210511	-	-	AQ	2	

Allow water samples to settle, collect aliquot from clear portion
 NWTM-Dx - Acid wash cleanup
 - Silica gel cleanup
 Dissolved metal samples were field filtered

Other Antimony, Arsenic, and Lead

Reinquired by	Received by
Signature <u>[Signature]</u> Printed Name <u>Shannon Huffman</u> Company <u>ALS</u> Date <u>5/11/2021</u> Time <u>1224</u>	Signature _____ Printed Name _____ Company _____ Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau

ALS Job #: EV21050041

Project: Ameron / Hulbert - 0147029.500.992

Received Date: 5/11/2021 Received Time: 1224 By: 8MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

4 high kits included.

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: none

Temperature of cooler upon receipt: 6.4°C Cold Cool Ambient N/A
on ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



May 19, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On May 18th, 7 samples were received by our laboratory and assigned our laboratory project number EV21050070. The project was identified as your Ameron/Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050070-01
CLIENT SAMPLE ID	SW-22	DATE RECEIVED:	05/18/2021
		COLLECTION DATE:	5/18/2021 1:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/18/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/18/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	210	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	220	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	140	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	47	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	160	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	80	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	23	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	U	0.10	1	MG/KG	05/18/2021	EBS
Arsenic	EPA-6020	4.2	0.20	1	MG/KG	05/18/2021	EBS
Lead	EPA-6020	5.7	0.10	1	MG/KG	05/18/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.8	05/18/2021	KLS
C25	NWTPH-DX	78.1	05/18/2021	JNF
Terphenyl-d14	EPA-8270 SIM	114	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050070-02
CLIENT SAMPLE ID	BS-15	DATE RECEIVED:	05/18/2021
		COLLECTION DATE:	5/18/2021 1:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/18/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/18/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	0.16	0.10	1	MG/KG	05/18/2021	EBS
Arsenic	EPA-6020	4.8	0.20	1	MG/KG	05/18/2021	EBS
Lead	EPA-6020	5.3	0.10	1	MG/KG	05/18/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	76.5	05/18/2021	KLS
C25	NWTPH-DX	84.8	05/18/2021	JNF
Terphenyl-d14	EPA-8270 SIM	111	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050070-03
CLIENT SAMPLE ID	BS-16	DATE RECEIVED:	05/18/2021
		COLLECTION DATE:	5/18/2021 1:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/18/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	05/18/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/18/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	21	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	0.31	0.10	1	MG/KG	05/18/2021	EBS
Arsenic	EPA-6020	7.0	0.20	1	MG/KG	05/18/2021	EBS
Lead	EPA-6020	6.2	0.10	1	MG/KG	05/18/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	63.6	05/18/2021	KLS
C25	NWTPH-DX w/ SGA	91.9	05/18/2021	JNF
C25	NWTPH-DX	87.6	05/18/2021	JNF
Terphenyl-d14	EPA-8270 SIM	107	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050070-04
CLIENT SAMPLE ID	SW-23	DATE RECEIVED:	05/18/2021
		COLLECTION DATE:	5/18/2021 1:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/18/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/18/2021	JNF
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	05/18/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	U	0.10	1	MG/KG	05/18/2021	EBS
Arsenic	EPA-6020	5.0	0.20	1	MG/KG	05/18/2021	EBS
Lead	EPA-6020	5.4	0.10	1	MG/KG	05/18/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	79.8	05/18/2021	KLS
C25	NWTPH-DX	112	05/18/2021	JNF
C25	NWTPH-DX w/ SGA	110	05/18/2021	JNF
Terphenyl-d14	EPA-8270 SIM	126	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050070-05
CLIENT SAMPLE ID	SW-24	DATE RECEIVED:	05/18/2021
		COLLECTION DATE:	5/18/2021 1:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/18/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/18/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	62	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	66	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	55	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	56	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	30	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	U	0.10	1	MG/KG	05/18/2021	EBS
Arsenic	EPA-6020	6.2	0.20	1	MG/KG	05/18/2021	EBS
Lead	EPA-6020	7.3	0.10	1	MG/KG	05/18/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	90.5	05/18/2021	KLS
C25	NWTPH-DX	113	05/18/2021	JNF
Terphenyl-d14	EPA-8270 SIM	107	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050070-06
CLIENT SAMPLE ID	SW-25	DATE RECEIVED:	05/18/2021
		COLLECTION DATE:	5/18/2021 1:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/18/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/18/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/18/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	0.43	0.10	1	MG/KG	05/18/2021	EBS
Arsenic	EPA-6020	7.5	0.20	1	MG/KG	05/18/2021	EBS
Lead	EPA-6020	9.1	0.10	1	MG/KG	05/18/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	88.5	05/18/2021	KLS
C25	NWTPH-DX	101	05/18/2021	JNF
Terphenyl-d14	EPA-8270 SIM	105	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/19/2021
130 - 2nd Ave. S. ALS JOB#: EV21050070
Edmonds, WA 98020 ALS SAMPLE#: EV21050070-07
CLIENT CONTACT: Dylan Frazer DATE RECEIVED: 05/18/2021
CLIENT PROJECT: Ameron/Hulbert - 0147029.500.992 COLLECTION DATE: 5/18/2021
CLIENT SAMPLE ID Trip Blanks-210518 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

Table with 8 columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Row 1: TPH-Volatile Range (C5-C12), NWTPH-GX, U, 50, 1, UG/L, 05/18/2021, KLS

Table with 5 columns: SURROGATE, METHOD, %REC, ANALYSIS DATE, ANALYSIS BY. Row 1: TFT, NWTPH-GX, 82.0, 05/18/2021, KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-051821S - Batch 165960 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	05/18/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-051821W - Batch 165962 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	05/18/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051821S - Batch 165996 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	05/19/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	05/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051821S - Batch 165979 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051821S - Batch 165845 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	05/18/2021	EBS
Arsenic	EPA-6020	U	MG/KG	0.20	05/18/2021	EBS
Lead	EPA-6020	U	MG/KG	0.10	05/18/2021	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/19/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050070
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 165960 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.5			66.5	122.7	05/18/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	92.9	1		66.5	122.7	05/19/2021	KLS

ALS Test Batch ID: 165962 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	92.8			66.5	122.7	05/18/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	90.9	2		66.5	122.7	05/18/2021	KLS

ALS Test Batch ID: 165996 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	110			75.5	122.1	05/19/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	113	2		75.5	122.1	05/19/2021	JNF

ALS Test Batch ID: 165979 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	73.7			20	150	05/19/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	84.3	13		20	150	05/19/2021	JMK
Chrysene - BS	EPA-8270 SIM	98.0			20	150	05/19/2021	JMK
Chrysene - BSD	EPA-8270 SIM	107	9		20	150	05/19/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	78.3			20	150	05/19/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	88.9	13		20	150	05/19/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	85.6			20	150	05/19/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	92.4	8		20	150	05/19/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	89.8			20	150	05/19/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	101	12		20	150	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	89.2			20	150	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	106	18		20	150	05/19/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	76.4			20	150	05/19/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	93.5	20		20	150	05/19/2021	JMK

ALS Test Batch ID: 165845 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	90.0			80	120	05/18/2021	EBS
Antimony - BSD	EPA-6020	92.3	3		80	120	05/18/2021	EBS
Arsenic - BS	EPA-6020	95.6			80	120	05/18/2021	EBS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/19/2021
130 - 2nd Ave. S. ALS SDG#: EV21050070
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron/Hulbert - 0147029.500.992

LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Arsenic - BSD, Lead - BS, and Lead - BSD.

APPROVED BY

[Handwritten signature]

Laboratory Director



Chain-of-Custody Record

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 926-2493
 Spokane (509) 327-9737
 Portland (503) 542-1080

Turnaround Time:
 Standard _____
 Accelerated 24hr

Date 5/18/21
 Page 1 of 1

Project Name Ameron/Hulbut Project No. 0147 029 .500 .442
 Project Location/Event Port of Everett / Final Cleanup
 Sampler's Name Sam Bartish
 Project Contact Dylan Frazer
 Send Results To Dylan Frazer & Dani Jorgensen

Testing Parameters

NWT# 6020 *
 NWT# DX
 NWT# 6X
 e PATHS
 870 SW
 Run with water 5LC

Sample I.D.	Date	Time	Matrix	No. of Containers	Observations/Comments
1 SW-22	5/18/21	1300	soil	2	
2 BS-15		1310	soil	2	
3 BS-16		1320	soil	2	
4 SW-23		1330	soil	2	
5 SW-24		1340	soil	2	
6 SW-25		1350	soil	2	
7 Trip Blank-210511		-	AA	2	

Special Handling Requirements:
 Shipment Method: dry ice
 Stored on ice: Yes / No

Allow water samples to settle, collect aliquot from clear portion
 NWT#-DX - Acid wash cleanup
 - Silica gel cleanup
 Dissolved metal samples were field filtered

Other Antimony, arsenic, lead

Relinquished by Signature <u>[Signature]</u> Printed Name <u>Sam Bartish</u> Company <u>Landau Associates</u> Date <u>5/13/21</u> Time <u>1445</u>	Received by Signature <u>[Signature]</u> Printed Name <u>Galen Perry</u> Company <u>ALS</u> Date <u>5/18/21</u> Time <u>14:15</u>
Relinquished by Signature _____ Printed Name _____ Company _____ Date _____ Time _____	Received by Signature _____ Printed Name _____ Company _____ Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Canday ALS Job #: EV21050070

Project: Ameson / Hulbert 0147029.500.992

Received Date: 5/18/21 Received Time: 1445 By: GAP

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: _____

Temperature of cooler upon receipt: 6.2°C Cold Cool Ambient N/A
on ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



May 20, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On May 19th, 4 samples were received by our laboratory and assigned our laboratory project number EV21050076. The project was identified as your Ameron/Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050076
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050076-01
CLIENT SAMPLE ID	SW-26	DATE RECEIVED:	05/19/2021
		COLLECTION DATE:	5/19/2021 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/20/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/19/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/19/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/20/2021	EBS
Arsenic	EPA-6020	4.8	0.20	1	MG/KG	05/20/2021	EBS
Lead	EPA-6020	4.6	0.10	1	MG/KG	05/20/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	93.0	05/20/2021	KLS
C25	NWTPH-DX	78.6	05/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	134	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050076
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050076-02
CLIENT SAMPLE ID	SW-27	DATE RECEIVED:	05/19/2021
		COLLECTION DATE:	5/19/2021 10:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/20/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/19/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/19/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	100	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	100	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	93	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	39	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	100	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	60	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/20/2021	EBS
Arsenic	EPA-6020	5.8	0.20	1	MG/KG	05/20/2021	EBS
Lead	EPA-6020	5.8	0.10	1	MG/KG	05/20/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	97.4	05/20/2021	KLS
C25	NWTPH-DX	109	05/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	119	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050076
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050076-03
CLIENT SAMPLE ID	BS-17	DATE RECEIVED:	05/19/2021
		COLLECTION DATE:	5/19/2021 11:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/20/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/19/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/19/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/19/2021	JMK
Antimony	EPA-6020	U	0.50	1	MG/KG	05/20/2021	EBS
Arsenic	EPA-6020	4.6	0.20	1	MG/KG	05/20/2021	EBS
Lead	EPA-6020	4.1	0.10	1	MG/KG	05/20/2021	EBS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	92.3	05/20/2021	KLS
C25	NWTPH-DX	98.9	05/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	113	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050076
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050076-04
CLIENT SAMPLE ID	Trip Blanks-210519	DATE RECEIVED:	05/19/2021
		COLLECTION DATE:	5/19/2021 11:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	05/20/2021	KLS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	103	05/20/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 5/20/2021 ALS SDG#: EV21050076 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	

LABORATORY BLANK RESULTS

MBG-051921S - Batch 166004 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	05/19/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-052021W - Batch 166047 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	05/20/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051921S - Batch 165998 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	05/19/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	05/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051921S2 - Batch 166029 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-051921S - Batch 165758 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.50	05/20/2021	EBS
Arsenic	EPA-6020	U	MG/KG	0.20	05/20/2021	EBS
Lead	EPA-6020	U	MG/KG	0.10	05/20/2021	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/20/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050076
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 166004 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	87.7			66.5	122.7	05/20/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	87.7	0		66.5	122.7	05/20/2021	KLS

ALS Test Batch ID: 166047 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	83.2			66.5	122.7	05/20/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	86.5	4		66.5	122.7	05/20/2021	KLS

ALS Test Batch ID: 165998 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	108			75.5	122.1	05/19/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	114	6		75.5	122.1	05/19/2021	JNF

ALS Test Batch ID: 166029 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	132			20	150	05/19/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	103	25		20	150	05/19/2021	JMK
Chrysene - BS	EPA-8270 SIM	141			20	150	05/19/2021	JMK
Chrysene - BSD	EPA-8270 SIM	109	26		20	150	05/19/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	125			20	150	05/19/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	97.9	24		20	150	05/19/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	114			20	150	05/19/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	90.1	24		20	150	05/19/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	143			20	150	05/19/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	112	25		20	150	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	136			20	150	05/19/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	102	28		20	150	05/19/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	146			20	150	05/19/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	124	17		20	150	05/19/2021	JMK

ALS Test Batch ID: 165758 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	97.5			80	120	05/20/2021	EBS
Antimony - BSD	EPA-6020	95.1	3		80	120	05/20/2021	EBS
Arsenic - BS	EPA-6020	99.7			80	120	05/20/2021	EBS

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 5/20/2021 ALS SDG#: EV21050076 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	97.4	2		80	120	05/20/2021	EBS
Lead - BS	EPA-6020	98.2			80	120	05/20/2021	EBS
Lead - BSD	EPA-6020	96.3	2		80	120	05/20/2021	EBS

APPROVED BY



Laboratory Director

Chain-of-Custody Record

EV21050076

Seattle/Edmonds (425) 778-0907
 Tacoma (253) 926-2493
 Spokane (509) 327-9737
 Portland (503) 542-1080

Turnaround Time:
 Standard
 Accelerated 24 hr.

Date 5/14/21
 Page 1 of 1

Project Name Amson / Hulbert Project No. 0147029.500.992
 Project Location/Event Port of Everett / Final Cleanup
 Sampler's Name Sam Bartish
 Project Contact Dylan Frazer
 Send Results To D Frazer D Jorgensen

Special Handling Requirements: _____
 Shipment Method: Dry
 Stored on ice: Yes / No

Testing Parameters

Metals 6020*
 NW TPH-DX
 EPAHS 8270 SIM
 from 5/14/21 to 5/14/21

Sample I.D.	Date	Time	Matrix	No. of Containers	Observations/Comments
① SW-26	5/14/21	1030	Soil	2	Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/> NWTPH-DX - Acid wash cleanup <input type="checkbox"/> - Silica gel cleanup <input type="checkbox"/>
② SW-27	↓	1045	Soil	2	Dissolved metal samples were field filtered
③ BS-17	-	1100	Soil	2	Other <u>* Antimony, Arsenic, Lead</u>
④ Trip Blanks - 210514	-	-	Aq	2	

Relinquished by Signature <u>[Signature]</u> Printed Name <u>Sam Bartish</u> Company <u>Landau Associates</u> Date <u>5/14/21</u> Time <u>1130</u>	Received by Signature <u>[Signature]</u> Printed Name <u>Shannon Huffman</u> Company <u>ALS</u> Date <u>5/19/2021</u> Time <u>1130</u>
Relinquished by Signature _____ Printed Name _____ Company _____ Date _____ Time _____	Received by Signature _____ Printed Name _____ Company _____ Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau ALS Job #: EV21050076

Project: Ameron/Hulbert - 0147029.500.992

Received Date: 5/19/2021 Received Time: 1130 By: SMH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	Yes	No	N/A
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

3 high kits included.

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: one of sample #4

Temperature of cooler upon receipt: 5.5°C Cold Cool Ambient N/A
on ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



May 26, 2021

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On May 24th, 2 samples were received by our laboratory and assigned our laboratory project number EV21050102. The project was identified as your Ameron/Hulbert - 0147029.500.992. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/26/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050102
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050102-01
CLIENT SAMPLE ID	SW-22a	DATE RECEIVED:	05/24/2021
		COLLECTION DATE:	5/24/2021 9:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	05/24/2021	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	05/24/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	05/24/2021	JNF
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	05/24/2021	JMK
Antimony	EPA-6020	0.12	0.10	1	MG/KG	05/24/2021	RAL
Arsenic	EPA-6020	5.6	0.20	1	MG/KG	05/24/2021	RAL
Lead	EPA-6020	6.8	0.10	1	MG/KG	05/24/2021	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	86.5	05/24/2021	KLS
C25	NWTPH-DX	104	05/24/2021	JNF
2,4,6-Tribromophenol	EPA-8270 SIM	129	05/24/2021	JMK
Terphenyl-d14	EPA-8270 SIM	100	05/24/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/26/2021
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV21050102
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	ALS SAMPLE#:	EV21050102-02
CLIENT SAMPLE ID	Trip Blanks-210524	DATE RECEIVED:	05/24/2021
		COLLECTION DATE:	5/24/2021 9:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	05/24/2021	KLS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	79.3	05/24/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/26/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050102
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-052421S - Batch 166192 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	05/24/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-052421W - Batch 166193 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	05/24/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-052421S - Batch 166218 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	05/24/2021	JNF
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	05/24/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-052421S - Batch 166220 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	05/24/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MB-052421S - Batch 166167 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Antimony	EPA-6020	U	MG/KG	0.10	05/24/2021	RAL
Arsenic	EPA-6020	U	MG/KG	0.20	05/24/2021	RAL
Lead	EPA-6020	U	MG/KG	0.10	05/24/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	5/26/2021
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV21050102
CLIENT PROJECT:	Ameron/Hulbert - 0147029.500.992	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 166192 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	89.1			66.5	122.7	05/24/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	88.0	1		66.5	122.7	05/24/2021	KLS

ALS Test Batch ID: 166193 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	93.4			66.5	122.7	05/24/2021	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	95.4	2		66.5	122.7	05/24/2021	KLS

ALS Test Batch ID: 166218 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	104			75.5	122.1	05/24/2021	JNF
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	97.9	6		75.5	122.1	05/24/2021	JNF

ALS Test Batch ID: 166220 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	73.0			20	150	05/24/2021	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	86.2	17		20	150	05/24/2021	JMK
Chrysene - BS	EPA-8270 SIM	91.2			20	150	05/24/2021	JMK
Chrysene - BSD	EPA-8270 SIM	96.1	5		20	150	05/24/2021	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	84.6			20	150	05/24/2021	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	92.4	9		20	150	05/24/2021	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	95.8			20	150	05/24/2021	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.4	4		20	150	05/24/2021	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	87.5			20	150	05/24/2021	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	95.5	9		20	150	05/24/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	84.8			20	150	05/24/2021	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	97.1	14		20	150	05/24/2021	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	79.8			20	150	05/24/2021	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	94.1	16		20	150	05/24/2021	JMK

ALS Test Batch ID: 166167 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Antimony - BS	EPA-6020	99.3			80	120	05/24/2021	RAL
Antimony - BSD	EPA-6020	101	1		80	120	05/24/2021	RAL
Arsenic - BS	EPA-6020	99.9			80	120	05/24/2021	RAL



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 5/26/2021
130 - 2nd Ave. S. ALS SDG#: EV21050102
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Ameron/Hulbert - 0147029.500.992

LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Arsenic - BSD, Lead - BS, and Lead - BSD.

APPROVED BY

Handwritten signature of M. Perry

Laboratory Director

EV2105 0102



Chain-of-Custody Record

- Seattle/Edmonds (425) 778-0907
- Tacoma (253) 926-2493
- Spokane (509) 327-9737
- Portland (503) 542-1080

Date: 5/24/21 of 1 Page

Turnaround Time: 24 hr (Accelerated)

Project Name: Ameron/Iturbert Project No.: 0147029.500.992
 Project Location/Event: Port of Everett / Final Cleanup
 Sampler's Name: Jared Newcomb
 Project Contact: Dylan Frazier
 Send Results To: D. Frazier, D. Jorgenson

Testing Parameters

Metals 6020 #
 NWTPH-Dx
 NWTPH-Dx
 NWTPH-Dx
 NWTPH-Dx
 Run w/ w/o SCS
 PATHS 8705 STM

Sample I.D.	Date	Time	Matrix	No. of Containers	Observations/Comments
1 SW-22a	5/24/21	930	Soil	2	Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/> NWTPH-Dx - Acid wash cleanup <input type="checkbox"/> - Silica gel cleanup <input type="checkbox"/> Dissolved metal samples were field filtered
2 Trip Blanks - 210524			Aq	2	

Special Handling Requirements:
 Shipment Method: Dupoff
 Stored on ice: Yes / No

Other: * Antimony, Arsenic, and Lead

Relinquished by: [Signature]
 Signature: Jared Newcomb
 Printed Name: Jared Newcomb
 Company: LAI
 Date: 5/24/21 Time: 10:18

Received by: [Signature]
 Signature: Elen Perry
 Printed Name: Elen Perry
 Company: AKS
 Date: 5/24/21 Time: 10:18

Relinquished by: _____
 Signature: _____
 Printed Name: _____
 Company: _____
 Date: _____ Time: _____

Received by: _____
 Signature: _____
 Printed Name: _____
 Company: _____
 Date: _____ Time: _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landan

ALS Job #: EV21050102

Project: Ameron/Hulbert

Received Date: 5/24/21 Received Time: 10:20 AM By: MAP

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

Were custody seals on outside of shipping container? Yes No N/A
If yes, how many? Where?
Custody seal date: Seal name:

Was Chain of Custody properly filled out (ink, signed, dated, etc.)? Yes No N/A

Did all bottles have labels? Yes No N/A

Did all bottle labels and tags agree with Chain of Custody? Yes No N/A

Were samples received within hold time? Yes No N/A

Did all bottles arrive in good condition (unbroken, etc.)? Yes No N/A

Was sufficient amount of sample sent for the tests indicated? Yes No N/A

Was correct preservation added to samples? Yes No N/A

If no, Sample Control added preservative to the following:

Sample Number	Reagent	Analyte
_____	_____	_____
_____	_____	_____
_____	_____	_____

Received soil per 5035 high lat.

Were VOA vials checked for absence of air bubbles? Yes No N/A

Bubbles present in sample #: none

Temperature of cooler upon receipt: 9.8 °C on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? Who was called? By whom? Date:

Outcome of call: _____

ProUCL Reports

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.15/13/2021 11:41:32 AM									
5	From File		UCL input_pyrene.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10	Benzo_pyrene											
11												
12	General Statistics											
13	Total Number of Observations		35		Number of Distinct Observations		10					
14	Number of Detects		9		Number of Non-Detects		26					
15	Number of Distinct Detects		9		Number of Distinct Non-Detects		1					
16	Minimum Detect		0.021		Minimum Non-Detect		0.02					
17	Maximum Detect		0.18		Maximum Non-Detect		0.02					
18	Variance Detects		0.00266		Percent Non-Detects		74.29%					
19	Mean Detects		0.0562		SD Detects		0.0515					
20	Median Detects		0.032		CV Detects		0.917					
21	Skewness Detects		2.087		Kurtosis Detects		4.548					
22	Mean of Logged Detects		-3.148		SD of Logged Detects		0.722					
23												
24	Normal GOF Test on Detects Only											
25	Shapiro Wilk Test Statistic		0.718		Shapiro Wilk GOF Test							
26	5% Shapiro Wilk Critical Value		0.829		Detected Data Not Normal at 5% Significance Level							
27	Lilliefors Test Statistic		0.305		Lilliefors GOF Test							
28	5% Lilliefors Critical Value		0.274		Detected Data Not Normal at 5% Significance Level							
29	Detected Data Not Normal at 5% Significance Level											
30												
31	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
32	KM Mean		0.0293		KM Standard Error of Mean		0.00525					
33	KM SD		0.0293		95% KM (BCA) UCL		0.0394					
34	95% KM (t) UCL		0.0382		95% KM (Percentile Bootstrap) UCL		0.0387					
35	95% KM (z) UCL		0.0379		95% KM Bootstrap t UCL		0.0506					
36	90% KM Chebyshev UCL		0.0451		95% KM Chebyshev UCL		0.0522					
37	97.5% KM Chebyshev UCL		0.0621		99% KM Chebyshev UCL		0.0816					
38												
39	Gamma GOF Tests on Detected Observations Only											
40	A-D Test Statistic		0.697		Anderson-Darling GOF Test							
41	5% A-D Critical Value		0.73		Detected data appear Gamma Distributed at 5% Significance Level							
42	K-S Test Statistic		0.275		Kolmogorov-Smirnov GOF							
43	5% K-S Critical Value		0.282		Detected data appear Gamma Distributed at 5% Significance Level							
44	Detected data appear Gamma Distributed at 5% Significance Level											
45												
46	Gamma Statistics on Detected Data Only											
47	k hat (MLE)		2.003		k star (bias corrected MLE)		1.409					
48	Theta hat (MLE)		0.0281		Theta star (bias corrected MLE)		0.0399					
49	nu hat (MLE)		36.05		nu star (bias corrected)		25.37					
50	Mean (detects)		0.0562									
51												
52	Gamma ROS Statistics using Imputed Non-Detects											
53	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
54	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
55	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
56	This is especially true when the sample size is small.											
57	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
58	Minimum		0.01		Mean		0.0219					
59	Maximum		0.18		Median		0.01					
60	SD		0.0323		CV		1.477					
61	k hat (MLE)		1.366		k star (bias corrected MLE)		1.268					
62	Theta hat (MLE)		0.016		Theta star (bias corrected MLE)		0.0173					
63	nu hat (MLE)		95.64		nu star (bias corrected)		88.77					
64	Adjusted Level of Significance (β)		0.0425									
65	Approximate Chi Square Value (88.77, α)		68.05		Adjusted Chi Square Value (88.77, β)		67.19					

	A	B	C	D	E	F	G	H	I	J	K	L
66	95% Gamma Approximate UCL (use when n>=50)					0.0286	95% Gamma Adjusted UCL (use when n<50)					0.0289
67												
68	Estimates of Gamma Parameters using KM Estimates											
69	Mean (KM)					0.0293	SD (KM)					0.0293
70	Variance (KM)					8.5753E-4	SE of Mean (KM)					0.00525
71	k hat (KM)					1.002	k star (KM)					0.935
72	nu hat (KM)					70.15	nu star (KM)					65.47
73	theta hat (KM)					0.0293	theta star (KM)					0.0313
74	80% gamma percentile (KM)					0.0474	90% gamma percentile (KM)					0.0686
75	95% gamma percentile (KM)					0.0899	99% gamma percentile (KM)					0.14
76												
77	Gamma Kaplan-Meier (KM) Statistics											
78	Approximate Chi Square Value (65.47, α)					47.85	Adjusted Chi Square Value (65.47, β)					47.13
79	5% Gamma Approximate KM-UCL (use when n>=50)					0.0401	95% Gamma Adjusted KM-UCL (use when n<50)					0.0407
80												
81	Lognormal GOF Test on Detected Observations Only											
82	Shapiro Wilk Test Statistic					0.878	Shapiro Wilk GOF Test					
83	5% Shapiro Wilk Critical Value					0.829	Detected Data appear Lognormal at 5% Significance Level					
84	Lilliefors Test Statistic					0.234	Lilliefors GOF Test					
85	5% Lilliefors Critical Value					0.274	Detected Data appear Lognormal at 5% Significance Level					
86	Detected Data appear Lognormal at 5% Significance Level											
87												
88	Lognormal ROS Statistics Using Imputed Non-Detects											
89	Mean in Original Scale					0.0175	Mean in Log Scale					-5.293
90	SD in Original Scale					0.0342	SD in Log Scale					1.677
91	95% t UCL (assumes normality of ROS data)					0.0273	95% Percentile Bootstrap UCL					0.0273
92	95% BCA Bootstrap UCL					0.0333	95% Bootstrap t UCL					0.0382
93	95% H-UCL (Log ROS)					0.0544						
94												
95	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
96	KM Mean (logged)					-3.716	KM Geo Mean					0.0243
97	KM SD (logged)					0.48	95% Critical H Value (KM-Log)					1.927
98	KM Standard Error of Mean (logged)					0.0861	95% H-UCL (KM -Log)					0.032
99	KM SD (logged)					0.48	95% Critical H Value (KM-Log)					1.927
100	KM Standard Error of Mean (logged)					0.0861						
101												
102	DL/2 Statistics											
103	DL/2 Normal						DL/2 Log-Transformed					
104	Mean in Original Scale					0.0219	Mean in Log Scale					-4.231
105	SD in Original Scale					0.0323	SD in Log Scale					0.735
106	95% t UCL (Assumes normality)					0.0311	95% H-Stat UCL					0.025
107	DL/2 is not a recommended method, provided for comparisons and historical reasons											
108												
109	Nonparametric Distribution Free UCL Statistics											
110	Detected Data appear Gamma Distributed at 5% Significance Level											
111												
112	Suggested UCL to Use											
113	95% KM Adjusted Gamma UCL					0.0407	95% GROS Adjusted Gamma UCL					0.0289
114												
115	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
116	Recommendations are based upon data size, data distribution, and skewness.											
117	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
118	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician											
119												

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.15/13/2021 11:29:10 AM									
5	From File		UCL input_Ameron.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10	cPAH_TEQ											
11												
12	General Statistics											
13	Total Number of Observations				35		Number of Distinct Observations				11	
14	Number of Detects				10		Number of Non-Detects				25	
15	Number of Distinct Detects				10		Number of Distinct Non-Detects				1	
16	Minimum Detect				0.029		Minimum Non-Detect				0.02	
17	Maximum Detect				0.474		Maximum Non-Detect				0.02	
18	Variance Detects				0.0241		Percent Non-Detects				71.43%	
19	Mean Detects				0.138		SD Detects				0.155	
20	Median Detects				0.0478		CV Detects				1.127	
21	Skewness Detects				1.46		Kurtosis Detects				1.152	
22	Mean of Logged Detects				-2.513		SD of Logged Detects				1.052	
23												
24	Normal GOF Test on Detects Only											
25	Shapiro Wilk Test Statistic				0.75		Shapiro Wilk GOF Test					
26	5% Shapiro Wilk Critical Value				0.842		Detected Data Not Normal at 5% Significance Level					
27	Lilliefors Test Statistic				0.31		Lilliefors GOF Test					
28	5% Lilliefors Critical Value				0.262		Detected Data Not Normal at 5% Significance Level					
29	Detected Data Not Normal at 5% Significance Level											
30												
31	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
32	KM Mean				0.0537		KM Standard Error of Mean				0.0169	
33	KM SD				0.0951		95% KM (BCA) UCL				0.0836	
34	95% KM (t) UCL				0.0823		95% KM (Percentile Bootstrap) UCL				0.0815	
35	95% KM (z) UCL				0.0815		95% KM Bootstrap t UCL				0.113	
36	90% KM Chebyshev UCL				0.104		95% KM Chebyshev UCL				0.127	
37	97.5% KM Chebyshev UCL				0.159		99% KM Chebyshev UCL				0.222	
38												
39	Gamma GOF Tests on Detected Observations Only											
40	A-D Test Statistic				0.862		Anderson-Darling GOF Test					
41	5% A-D Critical Value				0.747		Detected Data Not Gamma Distributed at 5% Significance Level					
42	K-S Test Statistic				0.303		Kolmogorov-Smirnov GOF					
43	5% K-S Critical Value				0.273		Detected Data Not Gamma Distributed at 5% Significance Level					
44	Detected Data Not Gamma Distributed at 5% Significance Level											
45												
46	Gamma Statistics on Detected Data Only											
47	k hat (MLE)				1.077		k star (bias corrected MLE)				0.821	
48	Theta hat (MLE)				0.128		Theta star (bias corrected MLE)				0.168	
49	nu hat (MLE)				21.55		nu star (bias corrected)				16.42	
50	Mean (detects)				0.138							
51												
52	Gamma ROS Statistics using Imputed Non-Detects											
53	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
54	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
55	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
56	This is especially true when the sample size is small.											
57	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
58	Minimum				0.01		Mean				0.0465	
59	Maximum				0.474		Median				0.01	
60	SD				0.0991		CV				2.13	
61	k hat (MLE)				0.65		k star (bias corrected MLE)				0.613	
62	Theta hat (MLE)				0.0716		Theta star (bias corrected MLE)				0.0758	
63	nu hat (MLE)				45.5		nu star (bias corrected)				42.94	
64	Adjusted Level of Significance (β)				0.0425							
65	Approximate Chi Square Value (42.94, α)				28.91		Adjusted Chi Square Value (42.94, β)				28.37	

	A	B	C	D	E	F	G	H	I	J	K	L
66	95% Gamma Approximate UCL (use when n>=50)					0.0691	95% Gamma Adjusted UCL (use when n<50)					0.0704
67												
68	Estimates of Gamma Parameters using KM Estimates											
69	Mean (KM)					0.0537	SD (KM)					0.0951
70	Variance (KM)					0.00904	SE of Mean (KM)					0.0169
71	k hat (KM)					0.319	k star (KM)					0.31
72	nu hat (KM)					22.3	nu star (KM)					21.72
73	theta hat (KM)					0.168	theta star (KM)					0.173
74	80% gamma percentile (KM)					0.083	90% gamma percentile (KM)					0.158
75	95% gamma percentile (KM)					0.243	99% gamma percentile (KM)					0.463
76												
77	Gamma Kaplan-Meier (KM) Statistics											
78	Approximate Chi Square Value (21.72, α)					12.13	Adjusted Chi Square Value (21.72, β)					11.79
79	5% Gamma Approximate KM-UCL (use when n>=50)					0.0961	95% Gamma Adjusted KM-UCL (use when n<50)					0.0989
80												
81	Lognormal GOF Test on Detected Observations Only											
82	Shapiro Wilk Test Statistic					0.85	Shapiro Wilk GOF Test					
83	5% Shapiro Wilk Critical Value					0.842	Detected Data appear Lognormal at 5% Significance Level					
84	Lilliefors Test Statistic					0.265	Lilliefors GOF Test					
85	5% Lilliefors Critical Value					0.262	Detected Data Not Lognormal at 5% Significance Level					
86	Detected Data appear Approximate Lognormal at 5% Significance Level											
87												
88	Lognormal ROS Statistics Using Imputed Non-Detects											
89	Mean in Original Scale					0.0421	Mean in Log Scale					-5.32
90	SD in Original Scale					0.101	SD in Log Scale					2.314
91	95% t UCL (assumes normality of ROS data)					0.071	95% Percentile Bootstrap UCL					0.074
92	95% BCA Bootstrap UCL					0.085	95% Bootstrap t UCL					0.104
93	95% H-UCL (Log ROS)					0.406						
94												
95	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
96	KM Mean (logged)					-3.512	KM Geo Mean					0.0298
97	KM SD (logged)					0.827	95% Critical H Value (KM-Log)					2.256
98	KM Standard Error of Mean (logged)					0.147	95% H-UCL (KM -Log)					0.0578
99	KM SD (logged)					0.827	95% Critical H Value (KM-Log)					2.256
100	KM Standard Error of Mean (logged)					0.147						
101												
102	DL/2 Statistics											
103	DL/2 Normal						DL/2 Log-Transformed					
104	Mean in Original Scale					0.0465	Mean in Log Scale					-4.007
105	SD in Original Scale					0.0991	SD in Log Scale					1.101
106	95% t UCL (Assumes normality)					0.0748	95% H-Stat UCL					0.0543
107	DL/2 is not a recommended method, provided for comparisons and historical reasons											
108												
109	Nonparametric Distribution Free UCL Statistics											
110	Detected Data appear Approximate Lognormal Distributed at 5% Significance Level											
111												
112	Suggested UCL to Use											
113	KM H-UCL					0.0578						
114												
115	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
116	Recommendations are based upon data size, data distribution, and skewness.											
117	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
118	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician											
119												